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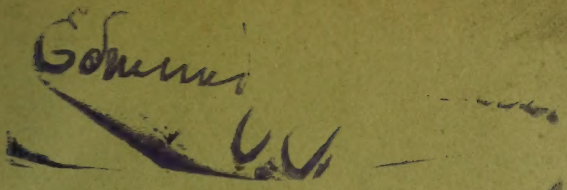

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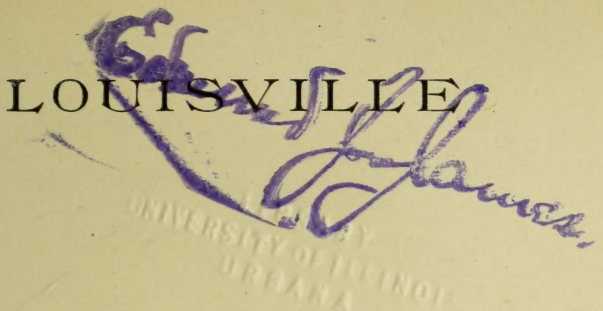


LOUISVILLE

MUNICIPAL REPORTS

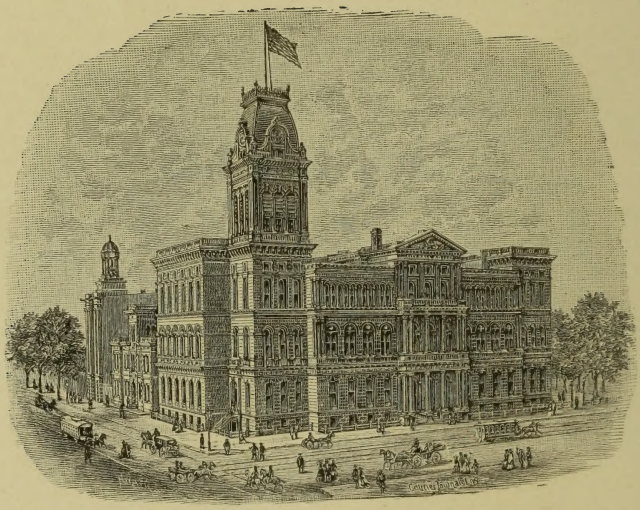
FOR THE

EDMUND J. JAMES

FISCAL YEAR ENDING AUGUST 31, 1886.

PUBLISHED BY ORDER OF THE GENERAL COUNCIL.

LOUISVILLE, KY.
PRINTED BY THE COURIER-JOURNAL JOB PRINTING COMPANY.
1887.



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MAYOR'S OFFICE,

LOUISVILLE, KY., August 31, 1886.

To the General Council of the City of Louisville:

GENTLEMEN: I herewith transmit to you the reports of the various city officials for the year 1885–86.

Respectfully,

P. B. REED, *Mayor.*

CITY OFFICERS.

1886.

EXECUTIVE.

P. BOOKER REED, Mayor.
T. L. BURNETT, City Attorney.
HENRY WOLFORD, City Treasurer.
ED T. TIERNEY, City Auditor.
EDWARD HUGHES, Chief of Fire Department.
HENRY KOHNHORST, Receiver of City Taxes.
JOS. J. EAKINS, Mayor's Clerk.
R. T. SCOWDEN, City Engineer.
DAN'L F. MURPHY, City Assessor.
WILLIAM INGRAM, City Book-keeper.
JOHN H. WHALLEN, Chief of Police.

LEGISLATIVE.

BOARD OF COUNCILMEN, 1886.

DR. CARY B. BLACKBURN, President. L. R. MCCLEERY, Clerk.

First Ward	VINCENT BRADAS	1 year.
	JACOB BICKEL	2 years.
Second Ward	W. F. MAYER	1 year.
	JACOB BOTT	2 years.
Third Ward	FRANK SPECKERT	1 year.
	CHAS. A. SCHAEFER	2 years.
Fourth Ward	FRANK BONNIE	1 year.
	L. GUTERMUTH	2 years.
Fifth Ward	H. S. BARKER	1 year.
	J. H. HANCOCK	2 years.
Sixth Ward	DEXTER HEWITT	1 year.
	C. STEGE	2 years.
Seventh Ward	DR. CARY B. BLACKBURN	1 year.
	H. S. TYLER	2 years.
Eighth Ward	LAF. JOSEPH	1 year.
	J. G. GIVENS	2 years.
Ninth Ward	JAMES GARDNER	1 year.
	GEO. P. BIEROD	2 years.
Tenth Ward	JOHN MELLET	1 year.
	M. J. DONAHUE	2 years.
Eleventh Ward	MICHAEL NORTON	1 year.
	T. J. SCANLON	2 years.
Twelfth Ward	J. R. PFLANZ	1 year.
	CHAS. SCHREIBER	2 years.

BOARD OF ALDERMEN, 1885.

JAS. C. GILBERT, President. OLIVER LUCAS, Clerk.

First Ward	A. A. STOLL	1 year.
Second Ward	FRED HOERTZ	2 years.
Third Ward	J. J. CRAMER	1 year.
Fourth Ward	AARON KOHN	2 years.
Fifth Ward	FLINN C. DAVIS	1 year.
Sixth Ward	HARRY STUCKY	2 years.
Seventh Ward	H. C. MURRELL	1 year.
Eighth Ward	GEORGE WOLF	2 years.
Ninth Ward	JAS. C. GILBERT	1 year.
Tenth Ward	DR. GEO. W. GRIFFITHS	2 years.
Eleventh Ward	WM. PATTERSON	1 year.
Twelfth Ward	G. D. HAMILTON	2 years.

JUDICIAL.

R. H. Thompson, Judge City Court.
John B. Williamson, Clerk City Court.
W. R. Abbott, Prosecuting Attorney.
Samuel Risley, Marshal City Court.

BOARD OF HEALTH.

Dr. William H. Galt, Health Officer.

ENGINEER'S DEPARTMENT.

City Engineer.
R. T. SCOWDEN.

Senior Assistant Engineer.
T. W. TODD.

ENGINEERS IN CHARGE OF STREETS.

S. B. Rankin, Eastern District.
M. T. Nicholas, Inspector Streets.
Wm. Benedict, Western District.
Wm. Dwyer, Inspector Pumps.

INSPECTION GRANITE RECONSTRUCTION.

Ed Miller. Chas. Mehler. W. S. Schultze.

RODMEN.

Geo. Hoertz. Jno. O'Donnell. Sidney Schultze. Wm. Steele.

STREET SUPERVISORS.

L. B. Redd, Eastern District.
Henry Stickrod, Western District.

ENGINEER'S CLERK.

C. G. Schultze.

OFFICERS SINKING FUND.

Wm. R. Ray, President.
J. M. Terry, Sec. and Treas. and Chief License Inspector.
Jacob Meffert, Chief Assistant License Inspector.
Henry J. Meade, Jr., Assistant License Inspector.
Thos. D. Osborne, Assistant License Inspector.
R. M. Arnold, Assistant License Inspector.
Oscar Camerer, Assistant License Inspector.

ASSESSORS.

Daniel F. Murphy, Assessor.
Charles Kremer, Jr., Assistant Assessor, First District.
Warner Briscoe, Assistant Assessor, Second District.
C. C. Murphy, Assistant Assessor, Third District.
D. A. Doherty, Assistant Assessor, Fourth District.
J. Henry Hintzen, Assistant Assessor, Fifth District.
Chas. W. Adams, Clerk.

REPORT

OF THE

City Treasurer,

FOR THE

Year Ending August 31, 1886.

OFFICE OF CITY TREASURER,

LOUISVILLE, KY., September 10, 1886.

To the General Council of the City of Louisville:

GENTLEMEN: I have the honor herewith of presenting you with a detailed account of the transactions of the City Treasury for the fiscal year, commencing on the 1st day of September, 1885, and ending August 31, 1886.

Very respectfully,

Your obedient servant,

HENRY WOLFORD,

City Treasurer.

TREASURER'S REPORT.

RECEIPTS. September.

1885.				
Sept. 2.	Balance from August 31, 1885			$38,154 60
	PRIVATE DRAINS.			
Sept. 2.	Of Jas. A. Leach, estimate No. 133	$40 00		
15.	Of L. A. Murdock, estimate No. 135 . . .	6 00		
15.	Of P. Viglini, executor, estimate No. 136 .	17 50		
21.	Of A. Button, estimate No. 137	55 00		
24.	Of Mrs. E. P. Rogers, estimate No. 138 . .	20 00		
24.	Of Chas. I. Clarke, estimate No. 139 . . .	168 00		
25.	Of Henry Krupp, estimate No. 141	10 00		
25.	Of Citizens' Gaslight Co., estimate No. 140	25 00		
25.	Of Duffy & Kosiol, estimate No. 142 . . .	35 00		
				376 50
	HOSPITAL.			
Sept. 5.	From Mrs. E. H. Gary, pay patients for August	32 75		
12.	From Mrs. E. H. Gary, pay patients, additional	2 00		
				34 75
	PRINTING AND STATIONERY.			
Sept. 5.	From Garvin Bell, one copy of City Code			7 50
	CITY COURT.			
Sept. 9.	From S. Risley, M. C. C., fines collected in August			434 05
	H. W. KOHNHORST, TAX RECEIVER.			
Sept. 9.	From taxes, report Nos. 569 to 592 inclusive			2,092 81
	FERRY PRIVILEGES.			
Sept. 12.	From Jeffersonville Ferry Co., up to July 1, 1885 . .			200 00
	PAUPER TRANSPORTATION.			
Sept. 24.	Mary Kieff, to Chicago, Ills			4 50
	WORK HOUSE.			
Sept. 29.	From T. L. Burnett, City Attorney, being the amount collected from M. Busch, by suit in Jefferson County Court of Common Pleas			449 92
	INTEREST.			
Sept. 3.	On deposit of General Fund for August			114 15
	On deposit of Flege's devise			3 83
				$41,872 61

DISBURSEMENTS. September.

1885.		WARRANTS.	
Sept. 31.	Paid, canceled, and registered in Register C, folio 159 .		$40,124 70
	BALANCES.		
Sept. 31.	To credit of General Fund, 1885	$150 78	
31.	To credit of General Fund, 1884	137 81	
31.	To credit of Flege's devise	513 90	
31.	To credit of vault, vouchers and cash . . .	945 42	
			1,747 91
			$41,872 61

RECEIPTS. October.

1885.			
Oct. 1.	Balance from September 30, 1885		$1,747 91
	PRIVATE DRAINS.		
Oct. 1.	Of Owsley's heirs, estimate No. 143	$21 00	
6.	Of H. S. Tyler, trustee, estimate No. 145 .	60 00	
7.	Of Duffy & Kosiol, estimate No. 146 . . .	12 00	
7.	Of Duffy & Kosiol, estimate No. 147 . . .	27 00	
9.	Of J. G. McClelland, estimate No. 148 . .	31 81	
12.	Of A. Spangelthal, estimate No. 149 . . .	10 00	
14.	Of George Kremer, estimate No. 150 . . .	32 00	
16.	Of Leopold Schuster, estimate No. 151 . .	30 00	
20.	Of Nicola Marshall, estimate No. 152 . . .	20 00	
21.	Of Johanbroeck & Bro., estimate No. 153 .	22 00	
23.	Of John Schulten, estimate No. 154	42 00	
23.	Of Jas. Callahan, estimate No. 155	20 00	
23.	Of O'Connor & Werst, estimate No. 156 . .	8 00	
23.	Of Nicola Marshall, estimate No. 157 . . .	18 00	
24.	Of Chas. Kriel, estimate No. 158	43 80	
26.	Of W. C. Jones, estimate No. 159	20 00	
			417 61
	H. W. KOHNHORST, TAX RECEIVER.		
Oct. 6.	From Taxes of 1885, reports Nos. 573 to 585, inclusive	12,603 01	
31.	From Taxes of 1885, reports Nos. 586 to 595, inclusive	8,720 20	
27.	From Taxes of 1884, reports Nos. 638 to 639, inclusive	571 23	
27.	From Taxes of 1883, reports Nos. 631 to 632, inclusive	730 33	
27.	From Taxes of 1882, reports Nos. 633 to 634, inclusive	1,369 36	
			23,994 13
	Carried forward		$26,159 65

		Brought forward		$26,159 65
1885.		REPAIRING STREETS, WESTERN DISTRICT.		
Oct.	6.	For 1,030 lbs. old iron street crossings, @ 1 cent per lb.		10 30
		CITY COURT.		
Oct.	8.	From S. Risley, M. C. C., fines collected in September .		506 35
		WORK HOUSE.		
Oct.	9.	From R. G. Hays, Superintendent, stone sold in August	$60 50	
	15.	From R. G. Hays, stone sold in September .	43 55	
				104 05
		PORTLAND CEMETERY.		
Oct.	10.	From Wm. Shick, for half lots Nos. 17 and 18, square B .		10 00
		HOSPITAL.		
Oct.	12.	From Dr. Ireland, for pay patients in September	23 55	
	12.	From Dr. Ireland, for pay patients in August	34 75	
	17.	From J. L. Long, secretary, for 100 clinical tickets sold @ $5.00	500 00	
				558 30
		BILLS PAYABLE.		
Oct.	17.	Note No. 407 to Bank of Commerce	50,000 00	
	17.	Note No. 408 to Falls City Bank	50,000 00	
				100,000 00
		PAUPER TRANSPORTATION.		
Oct.	15.	Mrs. Seng to Frankfort, Ky.		1 90
		FERRY PRIVILEGE.		
Oct.	17.	From Jeffersonville Ferry Company up to October, 1885		200 00
				$127,550 55

DISBURSEMENTS. October.

1885.		RICHMOND RAILROAD TAX.		
Oct.	1.	Paid H. C. W. Hoffman, assignee		$2 76
		INTEREST AND DISCOUNT.		
Oct.	17.	Discount on City Note No. 407 till February 1, 1886 . .		639 77
		WARRANTS.		
Oct.	31.	Paid, canceled, and registered in Register C, folios 316 and 327.		77,715 92
		Carried forward		$78,358 45

	Brought forward		$78,358 45
1885.	BALANCE.		
Oct. 31.	To credit of General Fund, Bank of Commerce	$22,724 07	
31.	To credit of General Fund, Falls City Bank .	23,812 05	
31.	To credit of Fund of 1884	1,781 80	
31.	To credit of Flege's devise	513 19	
31.	To credit of vault, vouchers and cash . . .	360 99	
			49,192 10
			$127,550 55

RECEIPTS. November.

1885.			
Nov. 1.	Balance from October 31, 1885		$49,192 10
	PRIVATE DRAINS.		
Nov. 2.	Of Lewis Rogers' heirs, estimate No. 161 . .	$20 00	
11.	Of Duffy & Kosiol, additional to estimate No. 142	8 17	
12.	Of K. R. A. T. Temple, estimate No. 164 .	15 50	
13.	Of Thos. Evans, estimate No. 165	60 00	
13.	Of Pink Varble, estimate No. 166	23 00	
13.	Of W. C. Garland, estimate No. 167	20 00	
16.	Of German Protestant Orphan Asylum, estimate No. 168	500 00	
16.	Of Thos Black, estimate No. 169	15 00	
17.	Of Phil Judge, guardian, estimate No. 170 .	30 00	
18.	Of L. S. Murdock, additional to estimate No. 138	1 50	
21.	Of Leander S. Reed, estimate No. 173 . . .	45 00	
24.	Of L. & E. Shulhafer, estimate No. 171 . .	17 00	
27.	Of F. Reidhar, estimate No. 174	21 00	
18.	Of Henry Krupp, additional	6 35	
			782 52
	H. W. KOHNHORST, TAX RECEIVER.		
Nov. 5.	From Taxes of 1884, report No. 640	1,321 46	
30.	From Taxes of 1884, report No. 641	1,444 06	
			2,765 52
14.	From Taxes of 1885, reports Nos. 576 to 600, inclusive	6,417 19	
30.	From Taxes of 1885, reports Nos. 601 to 604, inclusive	5,215 78	
			11,632 97
30.	From Taxes of 1883, report No. 633		1,112 11
30.	From Taxes of 1882, report No. 635		1,512 76
	Carried forward		$66,997 98

	Brought forward		$66,997 98
1885.	REPAIRING STREETS, EASTERN DISTRICT.		
Nov. 6.	From L. & N. R. R., grading and paving sidewalks at the right of way, Baxter avenue		61 50
	HOSPITAL.		
Nov. 7.	From Dr. Ireland, pay patients for October	$40 20	
7.	From J. L. Long, Secretary, for thirty clinical tickets sold, @ $5.00	150 00	
			190 20
	CITY COURT.		
Nov. 10.	From S. W. Risley, M. C. C., fines collected in October		411 50
	ALMS HOUSE.		
Nov. 10.	From J. L. Hyatt, Superintendent, sale of produce of farm		300 00
	PUBLIC LIGHTS.		
Nov. 12.	From W. C. Terry, for sale of empty oil barrels		68 95
	PRINTING AND STATIONERY.		
Nov. 19.	From W. H. Dulaney, one copy City Code		7 50
	INCIDENTAL EXPENSES.		
Nov. 23.	From T. W. Todd, for use of City telephone		20
	PAUPER TRANSPORTATION.		
Nov. 5.	James Thompson, to Birmingham, Ala.	7 80	
15.	Mary Crosby, to Mt. Vernon, Ind.	85	
21.	Mary Grudel, Chicago, Ills.	4 50	
23.	Edward Wood, Indianapolis, Ind.	1 75	
25.	Mary Kean, Chicago, Ills.	4 50	
			19 40
	INTEREST.		
Nov. 30.	On General Fund for September		20 36
30.	On Flege's devise		1 25
			$68,103 84

DISBURSEMENTS. November.

1885.	WARRANTS.		
Nov. 30.	Paid, canceled, and registered in Register C, folios 328 to 334		$55,868 67
	BALANCE.		
Nov. 30.	To credit of General Fund	$5,002 75	
30.	To credit of General Fund, 1884	6,197 53	
30.	To credit of Flege's devise	514 44	
30.	To credit of vault, vouchers and cash	520 45	
			12,235 17
			$68,103 84

RECEIPTS. December.

1885.				
Dec.	1.	Balance from November 30, 1885		$12,235 17
		PRIVATE DRAINS.		
Dec.	3.	Of Finley & Wilberding, estimate No. 175 .	$15 00	
	4.	Of Junclaus & Shoemaker, estimate No. 176	18 00	
	7.	Of Fred Senning, estimate No. 177	27 00	
	7.	Of Chas. Dearing, estimate No. 178	60 00	
	10	Of Simon Shulhafer, estimate No. 179 . . .	16 00	
	10.	Of Fred Senning, additional to estimate No. 180	20 00	
	16.	Of Wm. Mundy, estimate No. 181	12 00	
	18.	Of C. I. Clarke, additional to estimate No. 162	65 00	
	19	Of Duffy & Kosiol, estimate No. 182 . . .	16 00	
	19.	Of R. A. Peter, estimate No. 183	25 00	
	28.	Of C. T. Dearing, additional estimate No. 184	4 65	
				278 65
		HOSPITAL.		
Dec.	7.	From Dr. Ireland, pay patients for November	59 00	
	7.	From J. L. Long, Secretary, sale of fifteen clinical tickets @ $5.00	75 00	
	7.	From Queen City Insurance Co., on fire policy	84 51	
	7.	From North American Insurance Co., fire policy	50 71	
	8.	From Falls City Insurance Co., on fire policy	45 34	
	8.	From Phœnix Insurance Co., on fire policy	45 35	
	8.	From Lancashire Insurance Co., on fire policy	84 50	
	8.	From Washington F. & M. Insurance Co., on fire policy	45 35	
	8.	From Liverpool and London Globe Insurance Cos., on fire policy	45 34	
	16.	From California Insurance Co., on fire policy	45 34	
	16.	From Franklin Insurance Co., on fire policy	160 65	
	24.	From Royal Insurance Co., on fire policy .	169 01	
	24.	From North American Insurance Co., on fire policy	53 55	
	24.	From Hartford Insurance Co., on fire policy	107 10	
				1,070,75
		CLEANING STREETS, EASTERN DISTRICT.		
Dec.	9.	From Wm. Egelhoff, sale of scrapings		21 60
		CLEANING STREETS, WESTERN DISTRICT.		
Dec.	9.	From Wm. Egelhoff, sale of scrapings		27 85
		Carried forward		$13,634 02

		Brought forward		$13,634 02
1885.		H. W. KOHNHORST, TAX RECEIVER.		
Dec.	10.	From Taxes 1885, reports Nos. 605 to 607, inclusive	2,722 38	
	21.	From Head Tax 1885, report No. 610 . . .	528 00	
	24.	From Taxes of 1885, report No. 611 . . .	1,690 13	
				4,940 51
	24.	From Taxes of 1884, report No. 642		424 83
		WORK HOUSE.		
Dec.	8.	From R. G. Hays, Superintendent, stone sold in October, 1885		40 75
		BILLS PAYABLE.		
Dec.	10.	City Note No. 409, to Bank of Commerce, 60 days due . .		25,000 00
		ALMS HOUSE.		
Dec.	8.	From J. L. Hyatt, sale of produce of farm		90 00
		CITY COURT.		
Dec.	9.	From S. Risley, M. C. C., fines collected in November .		401 05
		REPAIRING STREETS, WESTERN DISTRICT.		
Dec.	29.	From Central Passenger Railway, raising and lowering manholes of sewer on Seventh street, between Main and Magazine streets		28 13
		PUBLIC LIGHTS.		
Dec.	29.	From W. C. Terry, Superintendent, sale of empty barrels		28 04
		INTEREST.		
Dec.	31.	On deposit of General Fund for October . .	$26 56	
	31.	On deposit of General Fund for November .	24 58	
	31.	On deposit of Flege's devise for October . .	1 29	
	31.	On deposit of Flege's devise for November .	1 25	
				53 68
		PAUPER TRANSPORTATION.		
Dec.	9.	Elizabeth Faulds, to Liberty, Va	$11 55	
	9.	Ann Redman, Frankfort, Ky	1 30	
				12 85
				$44,653,86

DISBURSEMENTS. December.

1885.		WARRANTS.		
Dec.	31.	Paid, canceled, and registered in Register C		$37,154 72
		BALANCE.		
Dec.	31.	To credit of General Fund	$1,805 56	
	31.	To credit of General Fund, 1884	4,700 80	
	31.	To credit of Flege's devise	516 98	
	31.	To credit of vault, vouchers and cash . . .	475 80	
				7,499 14
				$44,653 86

RECEIPTS. January.

1886.				
Jan.	1.	Balance from December 31, 1885		$7,499 14
		PRIVATE DRAINS.		
Jan.	5.	Of DuPont & Co., estimate No. 185		25 00
		PAUPER TRANSPORTATION.		
Jan.	2.	Mrs. Cole, to Central City	$1 85	
	2.	Polly Harris, to Stanford, Ky.	1 35	
	4.	Mrs. Cane, to Eddyville, Ky.	2 80	
	18.	Mrs. Mary Habbitch, to Memphis, Tenn. . .	7 50	
	19.	Mr. B. Thompson, to Lexington, Ky. . . .	1 60	
	25.	Mrs. Thompson and daughters, to Birmingham, Ala.	23 40	
	25.	Mr. James McMann, to Decatur, Ala. . . .	6 10	
	27.	Mrs. Kohlake, to St. Louis, Mo.	4 00	
	27.	Mrs. Tutt, to Nashville, Tenn.	3 80	
				52 40
		HOSPITAL.		
Jan.	12.	From Dr. Ireland, Superintendent, pay patients for October, 1885	74 90	
	13.	From J. L. Long, Secretary, for six clinical tickets sold @ $5.00	30 00	
				104 90
		ALMS HOUSE.		
Jan,	12.	From J. L. Hyatt, Superintendent, on account of produce sold from farm		50 00
		H. W. KOHNHORST, TAX RECEIVER.		
Jan.	2.	From Taxes of 1885, reports Nos. 612 to 614, inclusive		13,918 66
	23.	From Taxes of 1886, on account	70,000 00	
	27.	From Taxes of 1886, on account	65,000 00	
	30.	From Taxes of 1886, on account	90,000 00	
				225,000 00
		Carried forward		$246,650 10

	Brought forward		$246,650 10
1886.	CITY COURT.		
Jan. 14.	From S. Risley, M. C. C., fines collected in December, 1885		478 95
	PRINTING AND STATIONERY.		
Jan. 29.	From Barrett & Noble, one copy of City Code		7 50
	INTEREST.		
Jan. 31.	From Bank of Commerce, to correct in discounting City Note No. 407 in October, 1885		8 20
			$247,144 75

DISBURSEMENTS. January.

1886.	WARRANTS.		
Jan. 31.	Paid, canceled, and registered in Register C, folios 341 to 344		$88,050 08
	BALANCE.		
Jan. 31.	To credit of General Fund	$153,990 35	
31.	To credit of General Fund for 1884 . . .	3,878 34	
31.	To credit of Flege's devise	516 98	
31.	To credit of vault, vouchers and cash . .	709 00	
			159,094 67
			$247,144 75

RECEIPTS. February.

1886.			
Feb. 1.	Balance from January 31, 1886		$159,094 67
	PRIVATE DRAINS.		
Feb. 8.	Of H. Verhoff & Sumber, estimate No. 186	$157 00	
8.	Of A. J. Turpin, estimate No. 187	20 00	
26.	Of O'Connor & Werst, estimate No. 188 .	10 00	
			187 00
	HOSPITAL.		
Feb. 8.	From Dr. Ireland, Superintendent, for pay patients for January	72 35	
9.	From J. L. Long, Secretary, for five clinical tickets sold @ $5.00	25 00	
			97 35
	Carried forward		$159,379 02

		Brought forward		$159,379 02
1886.		ALMS HOUSE.		
Feb.	9.	From J. L. Hyatt, Superintendent, for sale of farm products		59 35
		CITY COURT.		
Feb.	15.	From S. Risley, M. C. C., for fines collected in January .		179 50
		H. W. KOHNHORST, TAX RECEIVER.		
Feb.	2.	From Taxes of 1886, on account	$100,000 00	
	5.	From Taxes of 1886, on account	40,000 00	
	8.	From Taxes of 1886, on account	20,000 00	
	13.	From Taxes of 1886, reports Nos. 1 to 314, inclusive	11,394 02	
	19.	From Taxes of 1886, reports Nos. 315 to 326, inclusive	7,049 72	
				178,443 74
	17.	From Taxes of 1882, report No. 636		796 31
	17.	From Taxes of 1883, report No. 634		724 29
	17.	From Taxes of 1884, reports Nos. 643 to 644, inclusive .		1,610 77
		WORK HOUSE.		
Feb.	23.	From R. G. Hays, Superintendent, for stone for repairing streets, Eastern District .	10,369 27	
	23.	From R. G. Hays, Superintendent, for stone sold to individuals	21 90	
				10,391 17
		REPAIRING STREETS, WESTERN DISTRICT.		
Feb.	23.	From Patterson, Henry & Co., for material, labor on alley between Fifteenth and Sixteenth and Walnut and Grayson streets		79 61
		PAUPER TRANSPORTATION.		
Feb.	8.	Peter Thompson, to Covington, Ky. . . .	1 75	
	9.	Mrs. Wilson, Cincinnati, Ohio	1 75	
	11.	Susan Clarke, Shelbyville, Ky.	60	
				4 10
		INTEREST.		
Feb.	28.	On General Fund for January, 1886 . . .	42 67	
	28.	On Flege's devise for January, 1886 . . .	1 29	
	28.	On Flege's devise for February, 1886 . .	1 17	
				45 13
				$351,712 99

DISBURSEMENTS. February.

1886.				
		BILLS PAYABLE.		
Feb. 1.	Paid Note No. 407, due this day			$50,000 00
1.	Paid Note No. 408, due this day			50,000 00
11.	Paid Note No. 409, due this day			25,000 00
		INTEREST AND DISCOUNT.		
Feb. 1.	On Note No. 408	$631 57		
11.	On Note No. 409	184 28		
				815 85
		WARRANTS.		
Feb. 28.	Paid, canceled, and registered in Register C			69,462 28
28.	To credit of General Fund	149,528 04		
28.	To credit of General Fund, 1884	5,579 51		
28.	To credit of Flege's devise	520 81		
28.	To credit of vault, vouchers and cash	806 50		
				156,434 86
				$351,712 99

RECEIPTS. March.

1886.				
Mar. 1.	Balance from February 28, 1886			$156,434 86
		PRIVATE DRAINS.		
Mar. 4.	Of A. T. Gilmore, estimate No. 189	$12 00		
5.	Of Fidelity Trust Company, Caldwell estate, estimate No. 190	12 00		
9.	Of B. Rankin, agent, estimate No. 192	16 00		
12.	Of M. J. Duffy, estimate No. 193	50 00		
15.	Of M. J. Duffy, estimate No. 194	14 00		
18.	Of E. C. Pfingst, estimate No. 195	10 00		
20.	Of J. B. Walker Morrison, agent, estimate No. 196	16 00		
23.	Of Turner, Day & Woodworth, estimate No. 197	18 00		
25.	Of Simon Shulhafer, estimate No. 198	25 00		
29.	Of Sam'l Coggeshall, estimate No. 199	68 00		
31.	Of Christian Wetterer, estimate No. 200	35 00		
				276 00
		POLICE.		
Mar. 3.	From Chief Whallen, for buggy sold to Hospital			50 00
	Carried forward			$156,760 86

		Brought forward		$156,760 86
1886.		FERRY PRIVILEGE.		
Mar.	6.	From Louisville & Jeffersonville Ferry Company, on lease up to January, 1886		200 00
		HOSPITAL.		
Mar.	9.	From Dr. Ireland, Superintendent, pay patients for February, 1886		39 80
		ALMS HOUSE.		
Mar.	9.	From J. L. Hyatt, Superintendent, for sale of products of farm		53 61
		CITY COURT.		
Mar.	19.	From S. Risley, M. C. C., fines collected in February .		242 00
		H. W. KOHNHORST, TAX RECEIVER.		
Mar.	1.	From Taxes of 1886, reports Nos. 327 to 368, inclusive	$33,493 13	
	18.	From Taxes of 1886, reports Nos. 369 to 379, inclusive	7,203 61	
	31.	From Taxes of 1886, reports Nos. 380 to 406, inclusive	19,979 36	
				60,676 10
	9.	From Taxes of 1885, reports Nos. 615 to 619, inclusive		5,198 33
		CLEANING STREETS, EASTERN DISTRICT.		
Mar.	12.	From W. Eglehoff, Superintendent, sale of scrapings of streets		195 78
		CLEANING STREETS, WESTERN DISTRICT.		
	12.	From W. Eglehoff, Superintendent, sale of scrapings of streets		1 80
		PAUPER TRANSPORTATION.		
Mar.	11.	From City of Louisville Railway Company, amount of Mrs. Hampton refunded .	17 50	
	12.	Chas. Boyd, to St. Louis, Mo.	4 00	
	25.	Wm. Powell, to Lexington, Ky.	1 40	
				22 90
		INTEREST.		
Mar.	31.	On deposit of General Fund for February .	396 36	
	31.	On deposit of Flege's devise for February .	1 17	
	31.	On deposit of Flege's devise for March . .	1 29	
				398 82
				$223,790 00

DISBURSEMENTS. March.

1886. WARRANTS.

Mar. 31.	Paid, canceled, and registered in Register C		$34,397 08

BALANCE.

Mar. 31.	To credit of General Fund	$182,567 23	
31.	To credit of General Fund of 1884	5,435 74	
31.	To credit of Flege's devise	523 27	
31.	To credit of vault, vouchers and cash . .	866 68	
			189,392 92
			$223,790 00

RECEIPTS. April.

1886.

April 2.	Balance from March 31, 1886		$189,392 92

PRIVATE DRAINS.

April 2.	Of T. W. Todd, estimate No. 201	$35 00	
6.	Of Simon Shulhafer, estimate No. 203 . .	30 00	
7.	Of M. J. Duffy, estimate No. 205	7 00	
7.	Of Sally G. Reagan, estimate No. 206 . .	22 00	
12.	Of M. Fabel & Son, estimate No. 207 . . .	175 00	
12.	Of G. Kilgore, estimate No 204	25 00	
15.	Of M. J. Duffy, estimate No. 208	128 00	
19.	Of Louis Kriel, estimate No. 209	15 00	
21.	Of Pat Donellan, estimate No. 210 . . .	17 00	
21.	Of Joseph Schuch, estimate No. 211 . . .	28 00	
21.	Of Pfingst, Doerhofer & Co., estimate No. 210	295 00	
24.	Of Simon Shulhafer, estimate No. 212 . .	17 00	
26.	Of Adam Stumpf, estimate No 213 . . .	42 00	
27.	Of Jno. T. Shaeffer, estimate No. 215 . .	48 00	
30.	Of Wm. H. McKnight, estimate No. 216 .	560 00	
			1,444 00

HOSPITAL.

April 9.	From J. L. Long, Secretary, sale of ninety-six clinical tickets	480 00	
12.	From Dr. Ireland, Superintendent, pay patients for March	160 70	
			640 70
	Carried forward		$191,477 62

	Brought forward		$191,477 62
1886.	H. W. KOHNHORST, TAX RECEIVER.		
April 30.	From Taxes of 1886, reports Nos. 407 to 445, inclusive	$27,932 00	
30.	For discount on School Tax of 1886, January, February, and March	3,689 72	
30.	For discount on House of Refuge Tax of 1886, January, February, and March .	570 16	
			32,191 88
30.	From Taxes of 1885, statement Nos. 620 to 624, inclusive		4,300 61
9.	From Taxes of 1884, statement No. 645		756 35
9.	From Taxes of 1883, statement Nos. 635 to 636, inclusive		646 32
9.	From Taxes of 1882, statement No. 637		678 44
	PUBLIC LIGHTS.		
April 1.	From W. C. Terry, Superintendent, empty oil barrels sold		123 95
	WORK HOUSE.		
April 10.	From R. G. Hays, Superintendent, for stone sold in March		25 00
	ALMS HOUSE.		
April 13.	From J. L. Hyatt, Superintendent, produce of farm sold		14 00
	CITY COURT.		
April 14.	From S. Risley, M. C. C., fines collected in March . .		256 00
	REAL ESTATE.		
April 15.	From Geo. E. H. Gray, to release the property on Second street, purchased by city at Tax Sale, and redeeded to Gray per report of committee		3,363 60
	CLEANING STREETS, EASTERN DISTRICT.		
April 21.	From Wm. Egelhoff, Superintendent, proceeds of sale of two street sweepers to Wright & Son, Washington City		1,500 00
	PAUPER TRANSPORTATION.		
April 30.	Sundry parties to various points		23 65
	INTEREST.		
April 30.	On deposit of General Fund for March . .	445 16	
30.	On deposit of Flege's devise	1 29	
			446 45
			$235,803 87

DISBURSEMENTS. April.

1886.

RICHMOND RAILROAD TAX.

April 28. Amount paid from March 11, 1885, to this date $27 12

WARRANTS.

April 30. Paid, canceled, and registered in Register C 53,434 72

BALANCE.

April 30.	To credit of General Fund	$173,942 04	
30.	To credit of General Fund, 1884	6,616 63	
30.	To credit of Flege's devise	525 73	
30.	To credit of vault, vouchers and cash . .	1,257 63	
			182,342 03
			$235,803 87

RECEIPTS. May.

1886.

May 1. Balance from April 30, 1886 . . . . . $182,342 03

PRIVATE DRAINS.

May 1.	Of Mary A. Bull, estimate No. 214 . . .	$22 00	
3.	Of John Jenner, estimate No. 217	15 00	
5.	Of Louis Kosiol, agent, estimate No. 218 .	14 00	
6.	Of Wm. H. Matlack, estimate No. 219 . .	14 00	
8.	Of L. A. Shrader, estimate No. 220 . . .	10 00	
10.	Of Pat Donahue, additional to estimate No. 221	2 00	
11.	Of Jackson, Kremer & Co., estimate No. 222	15 00	
12.	Of P. A. Vogel & Son, estimate No. 224 .	22 00	
13.	Of M. Selliger, estimate No. 223	75 00	
17.	Of James Tracey, estimate No. 226	28 00	
17.	Of James Tracey, estimate No. 227	28 00	
17.	Of L. E. Shulhafer, estimate No. 225 . . .	25 00	
21.	Of J. M. Lowe, estimate No. 228	15 00	
25.	Of Val Hodapp, estimate No. 229	15 00	
26.	Of K. W. Smith and J. W. Stine, estimate No. 230	70 00	
26.	Of O'Connor & Werst, estimate No. 231 . .	6 00	
27.	Of Drane & Ferguson, estimate No. 233 .	37 50	
27.	Of E. E. Starkey, estimate No. 234 . . .	37 50	
27.	Of E. E. Starkey, additional to estimate No. 235	24 50	
			475 50
	Carried forward		$182,817 53

		Brought forward		$182,817 53
1886.		H. W. KOHNHORST, TAX RECEIVER.		
May	17.	From Taxes of 1886, reports Nos. 446 to 452, inclusive	$4,043 04	
	17.	From Taxes of 1886, reports Nos. 453 to 475, inclusive	16,206 48	
				20,249 52
		PAUPER TRANSPORTATION.		
May	15.	Jas. Harrigan, to Chicago, Ills	4 50	
	20.	Sarah Robinson, to Cincinnati, Ohio . . .	1 75	
				6 25
		PORTLAND CEMETERY.		
May	4.	From Frank B. Ponate, half of lot No. 51, square B	5 00	
	14.	From Joseph Weggers, ½ of lots Nos. 31 & 32, square B	10 00	
				15 00
		HOSPITAL.		
May	10.	From J. L. Long, Secretary, for seventeen clinical tickets sold, @ $5.00	85 00	
	11.	From Dr. Ireland, Superintendent, pay patients for month of March	45 00	
				130 00
		CITY COURT.		
May	17.	From S. Risley, M. C. C., fines collected in April . .		102 60
		ALMS HOUSE.		
May	11.	From J. L. Hyatt, Superintendent, product of farm sold, and burying paupers		179 50
		WORK HOUSE.		
May	18.	From R. G. Hays, Superintendent, for stone sold to individuals in April		22 60
		CLEANING STREETS, EASTERN DISTRICT.		
May	3.	From Wm. Eglehoff, Superintendent, for scrapings sold	25 00	
	29.	From Wm. Eglehoff, Superintendent, for scrapings sold	18 53	
				43 53
		CLEANING STREETS, WESTERN DISTRICT.		
May	29.	From Wm. Eglehoff, Superintendent, for scrapings sold		12 70
		FERRY PRIVILEGE.		
May	29.	From Louisville & Jeffersonville Ferry Co., on contract up to April 1st		200 00
		INTEREST.		
May	29.	On deposit of General Fund for April . .	389 10	
	29.	On deposit of Flege's devise for April . .	1 25	
				390 35
				$204,169 58

DISBURSEMENTS. May.

1886.			
	WARRANTS.		
May 31.	Paid, canceled, and registered in Register C, folio . .		$53,321 57
	BALANCE.		
May 31.	To credit of General Fund	$143,337 97	
31.	To credit of General Fund, 1884	5,984 87	
31.	To credit of Flege's devise	526 98	
31.	To credit of vault, vouchers and cash . .	998 19	
			150,848 01
			$204,169 58

RECEIPTS. June.

1886.			
June 1.	Balance from May 31, 1886		$150,848 01
	PRIVATE DRAINS.		
June 2.	Of Henry Linker, estimate No. 236 . . .	$19 00	
5.	Of L. George, estimate No. 237	10 00	
5.	Of Louis Barkhouse, estimate No. 238 . .	24 00	
8.	Of Findly & Wilberding, estimate No. 239,	16 00	
10.	Of William Douglass, estimate No. 240 . .	16 00	
10.	Of M. Q. Wilson, estimate No. 241 . . .	15 00	
10.	Of M. Q. Wilson, estimate No. 242 . . .	31 00	
14.	Of W. H. Matlack, estimate No. 243 . . .	15 00	
14.	Of W. K. Israel, estimate No. 244	26 50	
17.	Of Martha Castleman, estimate No. 245 . .	18 00	
21.	Of I. T. Wagner, estimate No. 246	11 00	
24.	Of M. Muhlenschlager, estimate No. 248 .	45 00	
25.	Of I. M. Lowe, estimate No. 249, additional,	11	
25.	Of E. T. Wilson, estimate No. 247	7 00	
26.	Of M. J. Duffy, estimate No. 250	32 50	
28.	Of Jos. Denunzio, estimate No. 251	30 00	
30.	Of M. J. Duffy, estimate No. 252	12 00	
			328 11
	H. W. KOHNHORST, TAX RECEIVER.		
June 12.	From Taxes of 1886, reports Nos. 476 to 486, inclusive	6,951 89	
30.	From Taxes of 1886, reports Nos. 487 to 507, inclusive	16,489 37	
12.	From Head Tax of 1886, reports Nos. 426 to 427, inclusive	358 00	
			23,799 26
	Carried forward		$174,975 38

1886.	*Brought forward*		$174,475 38
June 12.	From Taxes of 1885, reports Nos. 625 to 626, inclusive	$3,263 38	
29.	From Taxes of 1885, report No. 627 . . .	1,002 67	
			4,266 05
	PUBLIC LIGHTS.		
June 2.	From W. C. Terry, sale of empty oil barrels		112 80
	HOSPITAL.		
June 7.	From Dr. Ireland, Superintendent, for pay patients for May	19 00	
15.	From S. Simons, net proceeds of horse sold,	34 00	
			53 00
	ALMS HOUSE.		
June 8.	From J. L. Hyatt, Superintendent, sale of product of farm,		21 60
	CITY COURT.		
June 17.	From S. Risley, M. C. C., fines collected in May		386 10
	PAUPER TRANSPORTATION.		
June 3.	B. C. Lighter to Manchester, Ala.	7 80	
10.	M. M. Maurie, to Danville, Ill.	6 10	
19.	M. Wesley, to Franklin, Ind.	75	
19.	Albert Burnett, to Hopkinsville, Ky. . . .	3 70	
			18 35
	INTEREST.		
June 30.	On general deposit for month of May		395 33
			$180,228 61

DISBURSEMENTS. June.

1886.	WARRANTS.		
June 30.	Paid, canceled, and registered in Register C		$47,349 65
	BALANCE.		
June 30.	To credit of General Fund	$109,274 05	
30.	To credit of General Fund, 1884	5,542 18	
30.	To credit of Flege's devise	526 98	
30.	To credit of vault, vouchers and cash . . .	17,535 75	
			132,878 96
			$180,228 61

RECEIPTS. July.

1886.				
July 1.	Balance from June 30, 1886			$132,878 96
	PRIVATE DRAINS.			
1.	Of O'Conner & Werst, estimate No. 256	$12 00		
3.	Of Chess, Carley & Co., estimate No. 254	20 00		
3.	Of O'Conner & Werst, estimate No. 255	17 00		
6.	Of A. Y. Johnson, Jr., estimate No. 257	15 00		
7.	Of A. Bedinger, estimate No. 258	5 00		
7.	Of Louis Kosiol, estimate No. 259	20 00		
10.	Of J. C. Gross, estimate No. 260	40 00		
13.	Of C. Muhlenschlager, additional to estimate No. 248	10		
16.	Of B. Moehlman, estimate No. 262	12 00		
16.	Of James Campbell, estimate No. 263	8 00		
17.	Of Oscar Stutz, estimate No. 264	5 00		
19.	Of B. Moehlman, estimate No. 265	15 00		
21.	Of L. Grauman, estimate No. 266	18 00		
26.	Of Julius Barkhouse, estimate No. 267	25 00		
28.	Of Thos. J. Watts, estimate No. 268	14 00		
3.	Of Chesapeake & Ohio Railroad, for building catch basins on Fifth, between Main and river	149 36		
				544 82
	H. W. KOHNHORST, TAX RECEIVER.			
July 17.	From Taxes of 1886, reports Nos. 508 to 514, inclusive	5,074 30		
31.	From Taxes of 1886, reports Nos. 515 to 539, inclusive	20,720 84		
				25,795 14
31.	From Taxes of 1885, report No. 628			897 24
	CITY COURT.			
July 22.	From S. Risley, M. C. C., fines collected in June			226 00
	CLEANING STREETS, EASTERN DISTRICT.			
July 10.	From Wm. Egelhoff, Superintendent, for scrapings sold			61 65
	CLEANING STREETS, WESTERN DISTRICT.			
July 24.	From Wm. Egelhoff, Superintendent, for scrapings sold			30 75
	ALMS HOUSE.			
July 10.	From J. L. Hyatt, Superintendent, sale of product of farm			107 20
	FERRY PRIVILEGE.			
July 24.	From Louisville & Jeffersonville Ferry Co., up to July 1st			200 00
	WORK HOUSE.			
July 27.	From R. G. Hays, Superintendent, sale of stone			50 00
	Carried forward			$160,791 76

		Brought forward	$160,791 76
		PAUPER TRANSPORTATION.	
July	22.	Anson Green, half-fare to Mt. Sterling, Ky	2 55
		HOSPITAL.	
July	10.	From J. L. Long, Superintendent, pay patients for June	30 00
		INTEREST.	
July	10.	On deposit of General Fund for June	302 70
	10.	On deposit of Flege's devise for May	1 29
	10.	On deposit of Flege's devise for June	1 25
			$160,960 19

DISBURSEMENTS. July.

1886.		SEWERS, WESTERN DISTRICT.		
July	3.	For work done, hands paid in building catch basins for the Chesapeake & Ohio Railroad, on Fifth street between Main and river		$55 10
		RICHMOND RAILROAD TAX.		
July	27.	Paid H. C. W. Hoffman, assignee		2 44
		WARRANTS.		
July	31.	Paid, canceled, and registered in Register C		55,808 58
		BALANCE.		
July	31.	To credit of General Fund	$100,515 51	
	31.	To credit of General Fund, 1884	2,865 04	
	31.	To credit of Flege's devise	529 52	
	31.	To credit of vault, vouchers and cash . .	1,184 00	
				105,094 07
				$160,960 19

RECEIPTS. August.

1886.				
Aug.	1.	Balance from July 31, 1886		$105,094 07
		PRIVATE DRAINS.		
Aug.	5.	Of I. C. Curtin, estimate No. 269	$50 00	
	5.	Of Wm. Cornwall, for Christ Church, estimate No. 270	20 00	
	7.	Of Jackson, Kremer & Co., additional to estimate No. 222	1 15	
	9.	Of A. Briggs, estimate No. 271	10 00	
	12.	Of A. Gottbrath, estimate No. 272	16 00	
	13.	Of H. L. Stone, estimate No. 274	6 00	
		Carried forward	$103 15	$105,094 07

1886.	*Brought forward*	$103 15	$105,094 07
Aug. 13.	Of Reed & Castleman, estimate No. 275 .	5 00	
14.	Of T. Ballard, estimate No. 273	40 00	
16.	Of O'Conner & Werst, estimate No. 276 .	40 00	
17.	Of Z. T. Underwood, estimate No. 277 . .	7 10	
20.	Of T. S. Randolph, estimate No. 278 . . .	11 00	
21.	Of College of Pharmacy, estimate No. 279	12 00	
23.	Of J. W. Davis, estimate No. 280	17 00	
26.	Of Dennis Long & Co., estimate No. 281 .	15 00	
28.	Of Edw. Brierley, estimate No. 283 . . .	20 00	
30.	Of Wm. R. Johnson, estimate No. 282 . .	133 00	
31.	Of J. A. McAfee, estimate No. 284	8 00	
			411 25

H. W. KOHNHORST, TAX RECEIVER.

Aug. 18.	From Taxes of 1886, reports Nos. 540 to 556, inclusive	10,833 52	
24.	From Taxes of 1886, reports Nos. 557 to 579, inclusive	21,888 50	
31.	From Taxes of 1886, reports Nos. 580 to 590, inclusive	6,244 90	
31.	From Taxes of 1886, Head Tax	178 00	
			39,144 92
25.	From Taxes of 1885, reports Nos. 629 to 631, inclusive	2,216 70	
31.	From Taxes of 1885, reports Nos. 632 to 633, inclusive	1,667 19	
			3,883 89

HOSPITAL.

Aug. 6.	From J. L. Long, Superintendent, for pay patients for July	54 50

ALMS HOUSE.

Aug. 10.	From J. L. Hyatt, Superintendent, sale of produce of farm	98 75	
31.	From J. L. Hyatt, Superintendent, sale of produce of farm	267 15	
			365 90

WORK HOUSE.

Aug. 10.	From R. G. Hays, Superintendent, from sale of stone	45 00	
19.	From R. G. Hays, Superintendent, from sale of stone	50 00	
31.	From R. G. Hays, Superintendent, from sale of stone	25 00	
			120 00
	Carried forward		$149,073 53

	Brought forward		$149,073 53
1886.	CITY COURT.		
Aug. 21.	From Sam'l Risley, M. C. C., fines for July		155 95
	OLD LIABILITY BOND ACCOUNT OF 1886.		
Aug. 27.	From Commissioners of Sinking Fund, for 240 of the 5 per cent. Municipal Bonds of 1886, numbered from 1 to 240, inclusive		240,000 00
	SECRET SERVICE FUND.		
Aug. 27.	From P. B. Reed, Mayor, this amount appropriated and not expended		1,000 00
	INTEREST.		
Aug. 27.	On deposit of General Fund for July		267 44
	CLEANING STREETS, EASTERN DISTRICT.		
Aug. 31.	From Wm. Egelhoff, for scrapings sold		126 14
	PAUPER TRANSPORTATION.		
Aug. 20.	Mary Ball and child, to Nashville, Tenn .	$5 55	
21.	Jas. McComb, to Chicago, Ills	4 50	
23.	S. C. Rhemski, to Chicago, Ills	4 50	
			14 55
			$390,638 61

DISBURSEMENTS. August.

1886.	RICHMOND RAILROAD TAX.		
Aug. 10.	Paid H. C. W. Hoffman, assignee	$13 00	
13.	Paid Masonic Bank	7 88	
			$20 88
	WARRANTS.		
Aug. 13.	Paid, canceled, and registered in Register C		145,893 60
	BALANCE.		
Aug. 13.	To credit of General Fund	80,487 97	
13.	To credit of General Fund, 1884	2,865 04	
13.	To credit of Flege's devise	529 52	
13.	To credit of Old Liability and Bond Fund account	159,602 21	
13.	To credit of vault, vouchers and cash . .	1,239 39	
			244,724 13
			$390,638 61

REPORT

OF THE

CITY AUDITOR,

FOR THE

YEAR ENDING AUGUST 31, 1886.

OFFICE OF CITY AUDITOR,

LOUISVILLE, KY., September 10, 1886.

To the General Council of the City of Louisville:

GENTLEMEN: I have the honor to herewith transmit to your honorable body my annual report for the fiscal year beginning September 1, 1885, and ending August 31, 1886.

Very respectfully,

ED T. TIERNEY,

City Auditor.

AUDITOR'S REPORT.

1885.	ALMS HOUSE.			
Sept. 8.	Ohio Valley Telephone Co.		$9 00	
Oct. 5.	Pay roll for August, 1885 . . .	$1,400 52		
19.	Ohio Valley Telephone Co. . .	4 50		
			1,405 02	
Nov. 12.	Pay roll for September, 1885 . .	1,157 65		
17.	Ohio Valley Telephone Co. . .	4 50		
			1,162 15	
Dec. 3.	Pay roll for October, 1885 . . .	2,183,42		
17.	Pay roll for November, 1885 . .	1,304 91		
22.	Pay roll of Insurance	706 75		
1886.			4,195 08	
Jan. 26.	Pay roll for December, 1885		1,525 36	
Feb. 18.	Pay roll for January, 1886 . . .	1,231 21		
18.	Ohio Valley Telephone Co. . .	9 00		
			1,240 21	
Mar. 15.	Ohio Valley Telephone Co. . .	9 00		
27.	Pay roll for February, 1886 . .	1,236 15		
			1,245 15	
April 21.	Pay roll for March, 1886		1,471 93	
May 3.	Ohio Valley Telephone Co. . .	4 50		
18.	Pay roll for April, 1886	1,185 08		
20.	Ohio Valley Telephone Co. . .	4 50		
			1,194 08	
June 25.	Ohio Valley Telephone Co.		4 50	
July 7.	Pay roll for May, 1886	1,137 27		
9.	Chess-Carley Co.	18 03		
19.	Pay roll for June, 1886	1,201 15		
22.	Ohio Valley Telephone Co. . .	4 50		
			2,360 95	
Aug. 16.	Ohio Valley Telephone Co.		4 50	
				$15,817 93
1885.	ASSESSOR'S OFFICE.			
Sept. 7.	Pay roll for August, 1885		$616 66	
Oct. 15.	Pay roll for September, 1885 . .	$616 66		
15.	Special pay roll	288 50		
			905 16	
	Carried forward		$1,521 82	

1885.	*Brought forward*		$1,521 82	
Nov. 12.	Pay roll for October, 1885 . . .	$616 66		
12.	Special pay roll	360 00		
			976 66	
Dec. 7.	Pay roll for November, 1885 . .	616 66		
7.	Special pay roll	240 00		
			856 66	
1886.				
Jan. 26.	Pay roll for December, 1885 . .	656 65		
26.	Board of Equalization	975 00		
			1,631 65	
Feb. 12.	Pay roll for January, 1886 . . .	656 66		
12.	Special pay roll	615 00		
			1,271 66	
Mar. 12.	B. F. Garrety	5 00		
12.	McClure & Ryan	1 75		
			6 75	
April 1.	Pay roll for February, 1886 . . .	616 66		
12.	Pay roll for March, 1886 . . .	616 66		
			1,233 32	
May 18.	Pay roll for April, 1886		616 66	
June 7.	Pay roll for May, 1886		616 66	
July 7.	Pay roll for June, 1886		616 66	
Aug. 2.	Pay roll for July, 1886		616 66	
				$9,965 16

CITY COURT.

1885.				
Sept. 1.	Pay roll for August, 1885 . . .	$241 66		
7.	John B. Williamson	1,352 50		
			$1,594 16	
Oct. 5.	Pay roll for September, 1885 .	241 66		
20.	Sam Risley	250 00		
			491 66	
Nov. 2.	Pay roll for October, 1885 . . .	241 66		
12.	John B. Williamson	1,362 50		
			1,604 16	
Dec. 2.	Pay roll for November, 1885 . .	241 66		
24.	John B. Williamson	497 50		
			739 16	
1886.				
Jan. 2.	Pay roll for December, 1885 . .	241 66		
18.	Sam Risley	250 00		
28.	J. T. Burghard	19 80		
			511 46	
Feb. 1.	Pay roll for January, 1886 . . .	241 66		
15.	S. E. Ledman	4 50		
			246 16	
	Carried forward		$5,186 76	

1886.	*Brought forward*			$5,186 76	
Mar. 1.	Pay roll for February, 1886 . .		241 66		
15.	John B. Williamson		498 75		
				740 41	
April 1.	Pay roll for March, 1886			241 66	
May 1.	Pay roll for April, 1886		241 66		
5.	Sam Risley		250 00		
25.	John B. Williamson		1,642 50		
				2,134 16	
June 2.	Pay roll for May, 1886			241 66	
July 1.	Pay roll for June, 1886		241 66		
7.	Sam Risley		250 00		
				491 66	
Aug. 2.	Pay roll for July, 1886			241 66	
					$9,277 97

1885.		CITY HALL.			
Sept. 1.	Pay roll for August, 1885 . . .		$240 00		
2.	Waters & Garland		30 52		
8.	Ohio Valley Telephone Co. . .		10 08		
10.	George B. Bahr & Co.		5 00		
10.	Duffy & Kosiol		1 55		
11.	Wathen, Adams & Mason Co. .		3 00		
16.	Louisville Gas Co.		67 77		
				$357 92	
Oct. 5.	Pay roll for September, 1885 . .		240 00		
10.	S. E. Ledman		2 50		
14.	Bridgeford & Co.		3 25		
19.	Duffy & Kosiol		6 25		
19.	Ohio Valley Telephone Co. . .		5 00		
22.	Geo. B. Bahr & Co.		32 55		
23.	Louisville & Nashville R. R. .		221 49		
31.	Louisville Gas Co.		87 01		
				598 05	
Nov. 2.	Pay roll for October, 1885 . . .		312 16		
7.	O. E. Robinson		1 35		
13.	J. B. Atkinson		11 15		
17.	Louisville Gas Co.		94 28		
17.	Ohio Valley Telephone Co. . .		5 00		
				423 94	
Dec. 2.	Pay roll for November, 1885 . .		325 00		
3.	Meyer, Bridges & Co.		2 75		
4.	Duffy & Kosiol		10 35		
4.	Orlando Root		4 50		
19.	Simon Shulhafer		163 36		
	Carried forward		$505 96	$1,379 91	

1885.		*Brought forward*	$505 96	$1,379 91
Dec.	19.	Northern Lake Ice Co.	68 95	
	24.	John Adams	3 25	
1886.				578 16
Jan.	2.	Pay roll for December, 1885 . .	325 00	
	4.	Peter Bitzer	6 85	
	27.	Louisville Gas Co.	224 80	
				556 65
Feb.	1.	Pay roll for January, 1886 . . .	325 00	
	2.	Louisville & Nashville R. R. .	203 76	
	3.	W. H. McKnight & Co. . . .	64 20	
	13.	Duffy & Kosiol	16 04	
	13.	Peter Bitzer	46 55	
	15.	Geo. B. Bahr & Co.	2 70	
	16.	Peaslee, Gaulbert & Co.	1 25	
	18.	Ohio Valley Telephone Co. . .	10 00	
	20.	Louisville & Nashville R. R. .	220 23	
	20.	J. B. Atkinson	1 75	
				891 48
Mar.	1.	Pay roll for February, 1886 . .	325 00	
	1.	J. T. Burghard	12 85	
	11.	M. J. Duffy	11 70	
	11.	F. B. Leonard & Co.	9 50	
	12.	Louisville Gas Co.	127 25	
	13.	Louisville & Nashville R. R. .	135 54	
	15.	Ohio Valley Telephone Co. . .	10 25	
	20.	Geo. B. Bahr & Co.	9 35	
	22.	Northern Lake Ice Co.	16 85	
				658 29
April	1.	Pay roll for March, 1886 . . .	325 00	
	1.	W. H. McCorkhill	25 00	
	3.	O. E. Robinson	1 70	
	13.	John F. McKelvey	282 50	
	14.	Louisville Fair Co.	182 20	
	14.	Louisville Gas Co.	122 83	
	14.	Grainger & Co.	9 50	
	14.	Louisville & Nashville R. R. .	110 34	
	15.	M. J. Duffy	48 35	
	16.	B. J. Campbell	97 75	
	17.	S. E. Ledman	2 50	
	19.	Geo. B. Bahr & Co.	6 85	
	21.	Ed. D. Beaty	7 00	
	22.	Louisville Gas Co.	130 06	
	23.	Dow's Wire Works Co.	38 00	
	28.	Northern Lake Ice Co.	33 40	
				1,420 48
		Carried forward		$5,484 97

1886.		*Brought forward*		$5,484 97	
May	3.	Ohio Valley Telephone Co. . .	$5 25		
	3.	Pay roll for April, 1886	325 00		
	10.	R. A. Robinson & Co.	2 30		
	14.	F. W. Keisker	127 00		
	20.	Geo. Wolf & Co.	13 00		
	20.	Ohio Valley Telephone Co. . .	5 00		
	21.	S. Shulhafer	7 95		
	21.	Geo. B. Bahr & Co.	4 25		
	24.	Louisville Gas Co.	115 71		
	25.	Charles Fisher	6 30		
	26.	Peaslee, Gaulbert & Co. . . .	40		
				612 16	
June	2.	Pay roll for May, 1886	240 00		
	2.	Bridgeford & Co.	21 00		
	3.	S. Stone	3 50		
	10.	Schupp & Schmitt	9 00		
	10.	Geo. B. Bahr & Co.	1 00		
	15.	Bridgeford & Co.	5 00		
	15.	Louisville Gas Co.	93 67		
	25.	Ohio Valley Telephone Co. . .	5 00		
				378 17	
July	1.	Pay roll for June, 1886	240 00		
	8.	M. J. Duffy	5 55		
	9.	Geo. B. Bahr & Co.	1 60		
	10.	Northern Lake Ice Co.	15 85		
	10.	R. A. Robinson & Co.	95		
	21.	S. Shulhafer	1 65		
	22.	Ohio Valley Telephone Co. . .	5 00		
				270 60	
Aug.	2.	Pay roll for July, 1886	240 00		
	13.	F. B. Leonard & Co.	8 50		
	16.	Ohio Valley Telephone Co. . .	5 25		
	17.	Robert Daniel	110 00		
	17.	Louisville Gas Co.	234 08		
	30.	Locke & Jacquemin	49 85		
				647 68	
					$7,393 58
1885.		CITY OFFICERS.			
Sept.	1.	Pay roll for August, 1885 . . .		$1,190 98	
Oct.	5.	Pay roll for July and August .	$916 66		
	5.	Pay roll for September, 1885 .	1,655 31		
				2,571 97	
Nov.	2.	Pay roll for October, 1885		1,202 98	
Dec.	2.	Pay roll for November, 1885		1,202 98	
		Carried forward		$6,168 91	

1886.		*Brought forward*		$6,168 91	
Jan.	2.	Pay roll for December, 1885		2,595 98	
Feb.	1.	Pay roll for January, 1886		1,196 98	
Mar.	1.	Pay roll for February, 1886		1,214 98	
Apr.	1.	Pay roll for March, 1886		2,595 98	
May	1.	Pay roll for April, 1886		1,208 98	
June	2.	Pay roll for May, 1886		1,249 84	
July	1.	Pay roll for June, 1886		2,619 65	
Aug.	2.	Pay roll for July, 1886		1,458 98	
					$20,310 28
1885.		COMMISSIONS COLLECTING REVENUE.			
Oct.	17.	H. W. Kohnhorst		$1,421 38	
Dec.	22.	H. W. Kohnhorst	$293 34		
	22.	H. W. Kohnhorst	648 18		
				941 52	
1886.					
Jan.	16.	H. W. Kohnhorst	9 68		
	18.	H. W. Kohnhorst	86 76		
	26.	Pay roll for indexing	310 00		
				406 44	
Feb.	12.	H. W. Kohnhorst		2,260 00	
Mar.	11.	H. W. Kohnhorst		1,745 63	
Apr.	16.	H. W. Kohnhorst		1,101 85	
June	10.	H. W. Kohnhorst		1,172 96	
Aug.	17.	H. W. Kohnhorst	951 00		
	31.	H. W. Kohnhorst	250 96		
				1,201 96	
					$10,251 74
1885.		CONTINGENT EXPENSES.			
Sept.	1.	Pay roll for August, 1885 . . .	$135 00		
	2.	Chris Miller	22 00		
	3.	R. S. Brown, agent	41 75		
	9.	A. D. Mullikin	17 00		
	9.	A. Leffert	14 00		
				$229 75	
Oct.	5.	Pay roll for September, 1885 . .	135 00		
	19.	A. Leffert	38 00		
	20.	Geo. W. Northup, agent . . .	1 45		
	20.	Chris Miller	22 00		
	20.	Louisville & Nashville Railroad	34 14		
	31.	Louisville, New Albany & Chicago Railroad	10 20		
				240 79	
Nov.	2.	Pay roll for October, 1885 . . .	135 00		
	3.	Geo. C. Drane, agent	35 40		
	10.	W. W. Hite & Co	7 00		
		Carried forward	$177 40	$470 54	

1885.	*Brought forward*	$177 40	$470 54	
Nov. 16.	J. H. Dorsey	6 80		
23.	Aug. Leffert	12 00		
			196 20	
Dec. 2.	Pay roll for November, 1885 . .	135 00		
22.	J. M. Dinwiddie	23 50		
23.	Chesapeake & Ohio Railroad . .	13 00		
30.	Chris Miller	24 00		
			195 50	
1886.				
Jan. 2.	Pay roll for December, 1885 . .	135 00		
4.	Louisville & Nashville Railroad	15 75		
			150 75	
Feb. 1.	Pay roll for January, 1886 . . .	135 00		
5.	The Pennsylvania Co	3 50		
16.	Aug. Leffert	64 00		
17.	Louisville, New Albany & Chicago Railroad	9 00		
18.	Cincinnati Southern Railway .	23 40		
27.	Chris Miller	39 00		
27.	Chesapeake, Ohio & Southwestern Railroad	4 65		
			278 55	
Mar. 1.	Pay roll for February, 1886 . .	135 00		
3.	Louisville & Nashville Railroad	34 34		
10.	John Hess	30 55		
12.	Central Coal & Iron Co	1,318 51		
			1,518 40	
April 1.	Pay roll for March, 1886 . . .	135 00		
2.	Louisville & Nashville Railroad	34 35		
3.	Memphis & Ohio River Packet .	10 00		
7.	Aug. Leffert	6 00		
14	John Hess	45 70		
19.	H. C. Miller	216 00		
22.	Henry Wolford, Treasurer . . .	9 55		
			240 60	
May 3.	Pay roll for April, 1886	135 00		
11.	J. L. Hyatt, Superintendent Alms House	132 50		
21.	John Hess	38 25		
21.	The Pennsylvania Co	4 00		
			309 75	
June 2.	Pay roll for May, 1886	135 00		
10.	Chesapeake & Ohio Railroad . .	9 20		
10.	John Hess	40 90		
10.	Louisville & Nashville Railroad	44 86		
16.	J., M. & I. R. R. Co	18 10		
			248 06	
	Carried forward		$3,608 35	

1886.		*Brought forward*		$3,608 35	
July	1.	Pay roll for June, 1886	$135 00		
	3.	Chris. Miller	5 00		
	22.	John Hess	34 15		
				174 15	
Aug.	2.	Pay roll for July, 1886	135 00		
	18.	John Hess	49 70		
	24.	Louisville & Nashville Railroad	2 38		
				187 08	
					$3,969 58
1885.		COUNTY INSTITUTION EXPENSES.			
Sept.	1.	Pay roll for August, 1885 . . .	$867 34		
	1.	R. A. Robinson & Co	25 88		
	2.	J. M. Robinson & Co	41 67		
	7.	H. C. Miller	153 00		
	16.	Louisville Gas Co	16 00		
				$1,103 89	
Oct.	5.	Pay roll for September, 1885 .	867 34		
	14.	Bridgeford & Co	78 03		
	14.	Rogers & Tuley	166 67		
	17.	H. C. Miller	198 00		
	19.	Duffy & Kosiol	47 49		
	26.	C. T. Dearing	50 42		
	31.	Louisville Gas Co	18 43		
	31.	Phil Kolb	56 96		
				1,483 34	
Nov.	2.	Pay roll for October, 1885 . . .	867 34		
	3.	Duffy & Kosiol	106 54		
	13.	Schupp & Schmidt	125 00		
	13.	John F. McKelvey	78 63		
	17.	Louisville Gas Co	19 85		
	20.	R. A. Robinson & Co	23 59		
				1,220 95	
Dec.	2.	Pay roll for November, 1885 . .	867 34		
	4.	Clarence E. Walker	8 34		
	7.	H. C. Miller	180 00		
	12.	Louisville & Nashville Railroad	238 87		
	28.	H. C. Miller	216 00		
				1,510 55	
1886.					
Jan.	2.	Pay roll for December, 1885 . .	867 34		
	21.	F. Hagan	25 00		
	22.	H. C. Miller	234 00		
	25.	W. F. Rubel	419 70		
				1,546 04	
Feb.	2.	Pay roll for January, 1886 . . .	867 34		
	2.	Bridgeford & Co	59 17		
		Carried forward	$926 51	$6,864 77	

1886.		*Brought forward*	$926 51	$6,864 77
Feb.	3.	R. A. Robinson & Co	25 04	
	16.	H. C. Miller	297 00	
	18.	Schupp & Schmidt	85 25	
	20	Bridgeford & Co	42 32	
	20.	A. D. Mulliken	124 67	
				1,500 79
Mar.	1.	Pay roll for February, 1886 . .	867 34	
	8.	Bradley & Gilbert Co	50 00	
	8.	A. D. Mulliken	4 16	
	12.	H. C. Miller	252 00	
	13.	Chas. A. Graham	42 75	
	22.	Northern Lake Ice Co	44 71	
				1,260 96
April	1.	Pay roll for March, 1886 . . .	867 34	
	3.	R. A. Robinson & Co	10 75	
	10.	Joseph Walton & Co	58 76	
	10.	M. J. Duffy	124 91	
	14.	Louisville Gas Co	38 38	
	22.	Louisville Gas Co	69 13	
				1,385 27
May	3.	Pay roll for April, 1886	1,408 99	
	5.	Courier-Journal Job Printing Co	416 67	
	5.	Receiver Louisville Chancery Court	2,000 00	
	7.	C. T. Dearing	32 92	
	20.	Albert Bourlier & Co	42 25	
	21.	Geo. B. Bahr & Co	143 01	
	21.	H. C. Miller	162 00	
	24.	Louisville Gas Co	97 97	
	27.	A. D. Mulliken	206 33	
				4,513 14
June	2.	Pay roll for May, 1886	1,408 99	
	9.	Humphrey Marshall	4 17	
	10.	A. D. Mulliken	29 17	
	10.	H. C. Miller	234 00	
	11.	R. A. Robinson & Co	19 82	
	15.	Louisville Gas Co	21 56	
	18.	C. B. Seymour	4 17	
	26.	Schupp & Schmidt	77 50	
	26.	C. E. Walker	16 66	
				1,816 04
July	1.	Pay roll for June, 1886	1,408 99	
	9.	H. C. Miller	135 00	
	20.	W. F. Rubel	669 70	
	21.	Louisville & Nashville R. R . .	30 00	
				2,243 69
		Carried forward		$19,584 66

1886.	*Brought forward*		$19,584 66	
Aug. 2.	Pay roll for July, 1886	$1,408 99		
14.	H. C. Miller	234 00		
17.	Louisville Gas Co	44 84		
			1,687 83	
				$21,272 49
1885.	ENGINEER'S DEPARTMENT.			
Sept. 5.	Pay roll for August, 1885 . . .	$758 36		
8.	Ohio Valley Telephone Co . .	10 00		
			$768 36	
Oct. 15.	Pay roll for September, 1885 . .	798 31		
19.	Ohio Valley Telephone Co . .	5 00		
			803 31	
Nov. 12.	Pay roll for October, 1885 . .	798 31		
17.	Ohio Valley Telephone Co . .	5 08		
			803 39	
Dec. 8.	Pay roll for November, 1885		798 31	
1886.				
Jan. 11.	Pay roll for December, 1885		798 31	
Feb. 10.	Pay roll for January, 1886 . . .	848 31		
18.	Ohio Valley Telephone Co . .	10 08		
20.	Huber & Allison	1 55		
			859 94	
Mar. 10.	Pay roll for February, 1886 . .	923 31		
12.	N. Levin	1 00		
15.	Ohio Valley Telephone Co . .	10 44		
			934 75	
April 12.	Pay roll for March, 1886		853 31	
May 3.	Ohio Valley Telephone Co . .	5 25		
18.	Pay roll for April, 1886	798 30		
20.	Ohio Valley Telephone Co . .	5 00		
			808 55	
June 5.	Thos. N. Lindsay	2 25		
7.	Pay roll for May, 1886	750 80		
25.	Ohio Valley Telephone Co . .	5 00		
			758 05	
July 7.	Pay roll for June, 1886	1,316 50		
22.	Ohio Valley Telephone Co . .	5 00		
			1,321 50	
Aug. 14.	Pay roll for July, 1886	1,372 15		
16.	Ohio Valley Telephone Co . .	5 00		
			1,377 15	
				$10,884 93

1885.		ERUPTIVE HOSPITAL.			
Sept. 8.	Ohio Valley Telephone Co			$9 00	
Oct. 5.	Pay roll for August, 1885 . . .	$116 35			
19.	Ohio Valley Telephone Co . .	4 50			
				120 85	
Nov. 12.	Pay roll for September, 1885 . .	99 83			
17.	Ohio Valley Telephone Co . .	4 50			
				104 33	
Dec. 3.	Pay roll for October, 1885 . .	108 98			
17.	Pay roll for November, 1885 . .	138 44			
				247 42	
1886.					
Jan. 26.	Pay roll for December, 1885			205 03	
Feb. 18.	Pay roll for January, 1886 . . .	150 55			
18.	Ohio Valley Telephone Co . . .	9 00			
				159 55	
Mar. 15.	Ohio Valley Telephone Co . .	9 00			
27.	Pay roll for February, 1886 . .	216 10			
				225 10	
May 3.	Ohio Valley Telephone Co . .	4 50			
5.	Pay roll for March, 1886 . . .	213 64			
18.	Pay roll for April, 1886	145 05			
20.	Ohio Valley Telephone Co . .	4 50			
				367 69	
June 25.	Ohio Valley Telephone Co			4 50	
July 7.	Pay roll for May, 1886	134 30			
19.	Pay roll for June, 1886	185 72			
22.	Ohio Valley Telephone Co . .	4 50			
				324 52	
Aug. 16.	Ohio Valley Telephone Co			4 50	
					$1,772 49
1885.		FIRE DEPARTMENT.			
Sept. 7.	Pay roll for August, 1885 . . .	$9,997 99			
8.	Ohio Valley Telephone Co . .	135 00			
				$10,132 99	
Oct. 15.	Pay roll for September, 1885 . .	9,507 89			
19.	Ohio Valley Telephone Co . .	67 50			
22.	Geo. B. Bahr & Co	415 25			
23.	Louisville & Nashville Railroad	139 32			
				10,129 96	
Nov. 12.	Pay roll for October, 1885 . . .	9,420 02			
17.	Ohio Valley Telephone Co . .	67 75			
23.	Dow's Wire Works Co	16 00			
				9,503 77	
Dec. 22.	Pay roll for November, 1885			9,620 06	
	Carried forward			$39,386 78	

1886.	*Brought forward*		$39,386 78	
Jan. 22.	Pay roll for December, 1885		10,052 67	
Feb. 2.	Louisville & Nashville Railroad	245 25		
10.	Pay roll for January, 1886 . .	10,504 25		
18.	Ohio Valley Telephone Co . .	135 00		
			10,884 77	
Mar. 15.	Ohio Valley Telephone Co . .	135 00		
30.	Pay roll for February, 1886 . .	9,350 00		
			9,485 00	
April 10.	Special pay roll for February .	374 65		
12.	Pay roll for March, 1886 . . .	10,290 31		
			10,664 96	
May 3.	Ohio Valley Telephone Co . .	67 50		
18.	Pay roll for April, 1886	10,054 01		
20.	Ohio Valley Telephone Co . .	67 50		
			10,189 01	
June 7.	Pay roll for May, 1886	10,966 24		
25.	Ohio Valley Telephone Co . . .	67 50		
			11,033 74	
July 7.	Pay roll for June, 1886	9,981 83		
22.	Ohio Valley Telephone Co . . .	72 16		
			10,053 99	
Aug. 14.	Pay roll for July, 1886	12,357 03		
16.	Ohio Valley Telephone Co . .	68 55		
			12,425 58	
				$124,176 50

1885.	FOOTWAY CROSSINGS, EASTERN DISTRICT.	
Sept. 7.	W. F. Shanks	$102 36

1886.	FOOTWAY CROSSINGS, WESTERN DISTRICT.	
Aug. 14.	Louisville, Evansville & St. Louis Railroad	$12 00

1885.	HOSPITAL.			
Sept. 8.	Ohio Valley Telephone Co		$15 32	
Oct. 5.	Pay roll for August, 1885 . . .	$2,060 87		
19.	Ohio Valley Telephone Co . .	5 24		
			2,066 11	
Nov. 12.	Pay roll for September, 1885		3,915 34	
Dec. 3.	Pay roll for October, 1885 . . .	1,946 94		
17.	Pay roll for November, 1885 . .	2,021 75		
			3,968 68	
1886.				
Jan. 26.	Pay roll for December, 1885 .	2,048 36		
29.	Peter Bitzer	497 50		
			2,545 86	
	Carried forward		$12,511 31	

1886.		*Brought forward*		$12,511 31	
Feb.	18.	Pay roll for January, 1886 . .	$2,179 01		
	18.	Ohio Valley Telephone Co . .	15 16		
	24.	J. A. Hagan	125 00		
				2,319 17	
Mar.	15.	Ohio Valley Telephone Co . .	15 16		
	27.	Pay roll for February, 1886 . .	2,091 19		
				2,106 35	
April	3.	Johnston Bros. & Co	45 83		
	21.	Pay roll for March, 1886 . . .	2,245 14		
	28.	E. L. Gambroll	45 00		
				2,335 97	
May	18.	Pay roll for April, 1886	2,117 21		
	20.	Barbee & Castleman	450 00		
	20.	Ohio Valley Telephone Co . .	5 00		
				2,572 21	
June	25.	Ohio Valley Telephone Co		5 17	
July	7.	Pay roll for May, 1886	1,867 32		
	19.	Pay roll for June, 1886	3,100 36		
	22.	Ohio Valley Telephone Co . .	5 00		
				4,972 68	
Aug.	16.	Ohio Valley Telephone Co . .	5 00	5 00	
					$26,827 86
1885.		INCIDENTAL EXPENSES.			
Sept.	1.	Pay roll for August, 1885 . . .	60 00		
	2.	Waters & Garland	10 20		
	3.	Jacob Ernwine	5 45		
	7.	Geo. H. Webb	19 00		
	7.	Louisville Transfer Co	34 50		
	7.	C. C. Godshaw	20 00		
	8.	Pay roll for registration	2,052 00		
	8.	Pay roll for August election, 1885	678 00		
				2,879 15	
Oct.	5.	Pay roll for September, 1885 .	60 00		
	10.	L. R. McCleery	600 10		
	13.	Geo. H. Webb	311 88		
	16.	G. W. Ronald	525 00		
	16.	Ben Drain	60 00		
	17.	Wm. F. Rubel	250 00		
	17.	Louisville Abstract and Loan Association	5 00		
	23.	Louisville Abstract and Loan Association	500 00		
		Carried forward	$2,311 98	$2,879 15	

1885.		*Brought forward*	$2,311 98	$2,879 15
Oct.	29.	Pat Donahue	3 00	
	29.	Jane Hodapp	3 00	
				2,317 98
Nov.	2.	Pay roll for October, 1885 . . .	60 00	
	3.	Henry Wolford, Treasurer . .	2 55	
	3.	A. D. Mulliken	4 00	
	10.	Wm. Norton	27 50	
	13.	Mike Hanlon	22 00	
	13.	Henry Rickman	2 00	
	24.	F. B. Leonard & Co	2 80	
				120 85
Dec.	2.	Pay roll for November, 1885 . .	60 00	
	3.	F. C. Jones	26 10	
	7.	Louisville Abstract and Loan Association	174 33	
	11.	Ben Drain	30 00	
	22.	L. R. McCleery	91 10	
	23.	John S. Cain	4 75	
	29.	Pay roll registration	672 00	
	29.	Bamberger, Bloom & Co . . .	57 94	
	31.	John S. Cain	57 05	
				1,173 27
1886.				
Jan.	2.	Pay roll for December	60 00	
	4.	W. H. Muscroft	3 00	
	4.	Clarence E. Walker	47 50	
	7.	Pay roll for December election, 1885	672 00	
	7.	Chas. A. Graham	6 16	
	11.	Ben Drain	60 00	
	15.	Stella Dembitz	10 05	
	19.	Geo. H. Webb	31 16	
	20.	Eliza Bender	123 15	
	22.	J. D. Barbour	109 20	
	25.	Wm. F. Rubel	250 00	
	26.	Phil Gernert	28 86	
	27.	G. W. Ronald	525 00	
	27.	Jacob Gast	24 00	
	30.	Louisville Abstract and Loan Association	25 66	
	30.	S. H. Welbourne	7 00	
				1,982 74
Feb.	1.	Pay roll for January, 1886 . .	60 00	
	8.	Alex Folwell	3 00	
	12.	Phil Gernert	25 75	
	13.	J. M. Womack	250 00	
		Carried forward	$338 75	$8,473 99

1886.		*Brought forward*	$338 75	$8,473 99
Feb.	13.	Buford Twyman	3 00	
	13.	Peter Bitzer	30 00	
	15.	Mike Hanlon	13 00	
				384 75
Mar.	1.	Pay roll for February, 1886 . .	60 00	
	8.	John S. Cain	4 80	
	24.	Wm. H. Bailey	110 68	
	24.	Wm. Hickey	3 00	
	24.	A. E. Willson	1 67	
	27.	Dan Fisher	3 00	
	30.	Emily Sanders, guardian . . .	150 00	
	31.	John Miller	18 25	
				351 40
April	1.	Pay roll for March, 1886 . . .	60 00	
	14.	Mehler & Eckstenkemper . . .	447 53	
	15.	Wm. F. Rubel	250 00	
	16.	G. W. Ronald	525 00	
	17.	A. D. Mulliken	5 00	
	22.	Henry Wolford, Treasurer . .	1 65	
	26.	Jane Hodapp	3 00	
	28.	Peter Bitzer	60 00	
				1,354 68
May	3.	Pay roll for April, 1886	60 00	
	6.	Stella Dembitz	14 25	
	18.	John Miller	7 75	
	29.	John Miller	7 50	
				89 50
June	2.	Pay roll for May, 1886	60 00	
	9.	Thos. J. Henry	263 75	
	15.	H. M. McCarthy	17 25	
	22.	Oliver Lucas	100 00	
	26.	Peter Bitzer	60 00	
	29.	Charles Jordan	10 00	
				511 00
July	1.	Pay roll for June, 1886	60 00	
	2.	Thos. Bess	7 75	
	8.	Ed Pohl	96 00	
	9.	Peaslee, Gaulbert & Co	15 85	
	9.	G. W. Ronald	525 00	
	12.	J. N. Struck & Bro	15 40	
	13.	A. D. Mulliken	7 50	
	19.	Pay roll for repairs	81 09	
				808 59
Aug.	2.	Pay roll for July, 1886	60 00	
	17.	A. D. Mulliken	7 75	
	26.	Thos. J. Henry	44 90	
	31.	Oliver Lucas	100 00	
				212 65
				$12,186 56

1885.		OLD LIABILITIES.			
Oct. 5.	Chas. Hammiller	$2 00			
19.	Clarence E. Walker	44 00			
23.	Louisville Abstract & Loan Association	1,000 00			
			$1,046 00		
Nov. 19.	H. W. Kohnhorst		180 11		
Dec. 7.	Louisville Abstract & Loan Association	348 67			
20.	H. W. Kohnhorst	13 39			
			362 06		
1886.					
Jan. 7.	Charles A. Graham	12 34			
16.	H. W. Kohnhorst	7 55			
28.	Charles A. Graham	20 00			
30.	Louisville Abstract & Loan Association	51 34			
			91 23		
Mar. 24.	W. H. Bailey	221 37			
24.	A. E. Willson	3 33			
			224 70		
April 16.	H. W. Kohnhorst		16 93		
June 10.	E. H. Clarke	95 00			
10.	H. W. Kohnhorst	318 57			
22.	John H. Weller	1,168 00			
28.	John H. Weller	1,134 05			
			2,715 62		
July 13.	E. H. Clarke	130 00			
19.	Courier-Journal Job Printing Co	1,349 40			
24.	St. Louis Bank Note Co . . .	1,275 00			
			2,754 40		
Aug. 17.	E. H. Clarke	130 00			
31.	H. W. Kohnhorst	328 00			
			458 00		
					$7,849 05
1885.		POLICE DEPARTMENT.			
Sept. 3.	Pay roll for August, 1885 . . .	$9,351 26			
7.	Ohio Valley Telephone Co . .	56 19			
9.	Peaslee, Gaulbert & Co	4 25			
			9,411 70		
Oct. 15.	Pay roll for September, 1885 .	9,482 92			
19.	Ohio Valley Telephone Co . .	29 60			
22.	Geo. B. Bahr & Co	10 50			
			9,523 02		
	Carried forward		$18,934 72		

1885.	*Brought forward*		$18,934 72	
Nov. 12.	Pay roll for October, 1885 . . .	$9,763 80		
13.	Joseph Gault	13 88		
17.	Ohio Valley Telephone Co . .	27 78		
20.	R. A. Robinson & Co	5 10		
			9,810 56	
Dec. 19.	Geo. B. Bahr & Co	262 05		
22.	Pay roll for November, 1885 . .	9,514 06		
			9,776 11	
1886.				
Jan. 11.	Pay roll for December, 1885 . .	9,937 86		
27.	J. N. Struck & Bro	1,000 00		
28.	Kilgore & Stilz	620 00		
29.	Dugan & Co	108 00		
			11,665 86	
Feb. 10.	Pay roll for January, 1886 . . .	9,489 65		
13.	Hobbs & Nettlewroth	10 00		
18.	Ohio Valley Telephone Co . .	54 90		
19.	John G. Baxter	13 95		
24.	J. N. Struck & Bro	970 00		
			10,538 50	
Mar. 10.	Pay roll for February, 1886 . .	8,381 84		
10.	Phil Gernert	17 25		
11.	M. J. Duffy	60 50		
15.	Ohio Valley Telephone Co . .	57 49		
31.	Fischer, Leaf & Co	28 00		
			8,545 08	
April 10.	Pay roll for March, 1886		10,052 99	
May 3.	Ohio Valley Telephone Co . .	28 32		
18.	Pay roll for April, 1886	9,671 97		
20.	Ohio Valley Telephone Co . .	27 44		
			9,727 73	
June 7.	Pay roll for May, 1886	9,708 66		
24.	R. H. Singleton	6 20		
25.	Ohio Valley Telephone Co . .	27 48		
			9,742 34	
July 1.	Sharpe & Middleton	24 23		
7.	Pay roll for June, 1886	9,244 82		
9.	Dugan & Co	47 25		
22.	Ohio Valley Telephone Co . .	27 55		
			9 343 85	
Aug. 14.	Pay roll for July, 1886	9,420 71		
16.	Ohio Valley Telephone Co . .	27 41		
			9,448 12	
				$117,585 86

1885.		PRINTING AND STATIONERY.		
Sept. 7.	Argus Printing & Publishing Co	$54 24		
7.	Louisville Anzeiger Co	51 10		
7.	Courier-Journal Co	53 16		
7.	Courier-Journal Job Printing Co	287 00		
8.	John P. Morton & Co	2 63		
11.	Bradley & Gilbert Co	97 98		
				$546 11
Oct. 16.	Louisville Anzeiger Co	132 75		
20.	Courier-Journal Job Printing Co	44 50		
24.	Courier-Journal Co	126 29		
				303 54
Nov. 6.	Argus Printing & Publishing Co	96 15		
13.	Courier-Journal Co	434 60		
16.	Louisville Anzeiger Co	44 90		
				575 65
Dec. 10.	The Times Co	9 00		
16.	Bradley & Gilbert Co	46 35		
17.	Maxwell & Bro	6 00		
22.	Argus Printing & Publishing Co	205 95		
23.	Courier-Journal Co	105 72		
28.	John P. Morton & Co	5 50		
1886.				378 52
Jan. 4.	Louisville Omnibus	15 00		
5.	Louisville Anzeiger Co	102 65		
23.	Louisville Anzeiger Co	89 80		
26.	Courier-Journal Job Printing Co	549 75		
26.	Argus Printing & Publishing Co	87 85		
26.	Courier-Journal Co	88 41		
				933 46
Feb. 13.	Louisville Anzeiger Co	65 55		
19.	Courier-Journal Co	74 73		
19.	The Times Printing Co	9 00		
19.	Argus Printing & Publishing Co	73 90		
20.	Courier-Journal Job Printing Co	343 55		
20.	Evening Post Co	10 00		
20.	Huber & Allison	3 25		
23.	John P. Morton & Co	30 65		
				610 63
Mar. 2.	Courier-Journal Job Printing Co	52 00		
8.	Bradley & Gilbert Co	144 65		
10.	Courier-Journal Co	35 16		
10.	Argus Printing & Publishing Co	73 57		
13.	Louisville Anzeiger Co	39 75		
27.	Glaubensbote Printing Co . . .	4 00		
				349 13
	Carried forward			$3,697 04

1886.		*Brought forward*		$3,697 04	
April 2.		Evening Post Co	$2 00		
2.		Louisville Omnibus Co	11 25		
9.		Bradley & Gilbert Co	12 50		
13.		Courier-Journal Job Printing Co	293 40		
				319 15	
May 5.		Courier-Journal Job Printing Co	121 30		
5.		The Times Co	5 50		
5.		Courier-Journal Co	51 10		
6.		Argus Printing & Publishing Co	83 82		
7.		Louisville Anzeiger Co	51 90		
7.		Bradley & Gilbert Co	63 35		
20.		C. K. Caron	40 00		
24.		Argus Printing & Publishing Co	126 00		
25.		Bradley & Gilbert Co	280 15		
25.		Courier-Journal Co	126 75		
26.		Louisville Anzeiger Co	130 20		
				1,080 07	
June 3.		Courier-Journal Job Printing Co	137 50		
10.		Courier-Journal Co	64 59		
11.		John P. Morton & Co	7 50		
28.		Courier-Journal Job Printing Co	100 00		
29.		Louisville Anzeiger Co	65 67		
				375 26	
July 8.		Courier-Journal Co	151 13		
12.		John P. Morton & Co	1 80		
17.		Louisville Press Co	30 40		
19.		Argus Printing & Publishing Co	145 95		
19.		Courier-Journal Job Printing Co	49 00		
21.		Louisville Anzeiger Co	151 55		
21.		Bradley & Gilbert Co	213 75		
				743 58	
Aug. 16.		Bradley & Gilbert Co	308 57		
31.		Courier-Journal Co	104 25		
				412 82	
					$6,027 92
1885.		PRIVATE DRAINS.			
Sept. 8.		Pay roll for August, 1885 . . .	$345 40		
8.		Scott Newman	3 00		
				$348 40	
Oct. 15.		Pay roll for September, 1885		200 62	
Nov. 12.		Pay roll for October, 1885		673 45	
Dec. 17.		Pay roll for November, 1885		714 45	
1886.					
Jan. 13.		Pay roll for December, 1885		294 19	
Feb. 12.		Pay roll for January, 1886		25 00	
		Carried forward		$2,266 11	

1885.	*Brought forward*		$2,256 11	
Mar. 10.	Pay roll for February, 1886		30 93	
April 12.	Pay roll for March, 1886		308 05	
May 18.	Pay roll for April, 1886		774 32	
June 7.	Pay roll for May, 1886		1,191 41	
July 19.	Pay roll for June, 1886		394 41	
Aug. 14.	Pay roll for July, 1886		269 91	
				$5,225 14

1885. REAL ESTATE.

Dec. 22. J. S., W. N., & S. H. Garvin $7,500,00

1885. REAL ESTATE R. W.—EASTERN DISTRICT.

Dec. 8. W. B. Caldwell, Trust $3,500 00

1885. PUMPS, WELLS, AND CISTERNS.

Sept. 5.	Pay roll Engineer's Department	$50 00		
7.	Grainger & Co.	51 59		
7.	Sam F. Harlan	1,084 57		
7.	Pat Bannon	1 20		
8.	Pay roll for repairs	166 99		
8.	Scott Newman	16 00		
12.	Dennis Long & Co.	3 57		
			$1,373 92	
Oct. 15.	Pay roll Engineer's Department	37 50		
15.	Pay roll for repairs	24 93		
17.	Pat Bannon	36		
19.	Duffy & Kosiol	24 20		
19.	Martin Haag	159 25		
19.	Mayer & Hilderbrand	149 23		
29.	Utica Lime Co.	46 00		
			441 47	
Nov. 12.	Scott Newman	12 00		
12.	Pay roll Engineer's Department	75 00		
12.	Pay roll for repairs	89 70		
14.	Louis Oestrich	183 66		
14.	Duffy & Kosiol	32 45		
14.	Peter Bitzer	264 05		
16.	M. Berger	49 00		
17.	Utica Lime Co.	27 60		
18.	Martin Haag.	200 95		
			934 41	
Dec. 8.	Pay roll Engineer's Department	75 00		
10.	Samuel F. Harlan	271 50		
17.	Pay roll for repairs	175 92		
22.	Scott Newman	14 00		
24.	Utica Lime Co.	52 90		
31.	Duffy & Kosiol	59 00		
			648 32	
	Carried forward		$3,398 12	

1886.		*Brought forward*		$3,398 12
Jan.	4.	Peter Bitzer	$274 85	
	7.	M. Berger	73 50	
	11.	Pay roll Engineer's Department	75 00	
	13.	Pay roll for repairs	14 65	
	26.	Duffy & Kosiol	60 00	
	28.	Samuel Owens & Co.	25 00	
	28.	Pat Bannon	5 24	
	28.	Peter Bitzer	487 45	
				1,015 69
Feb.	2.	Pay roll Engineer's Department		75 00
Mar.	8.	Duffy & Kosiol	160 95	
	10.	Pay roll Engineer's Department	75 00	
	10.	Pay roll for repairs	43 18	
	11.	Samuel F. Harlan	275 13	
	11.	Grainger & Co.	8 51	
	11.	M. Berger	2 10	
	13.	Scott Newman	1 00	
				565 87
April	10.	J. C. Oestrich	310 59	
	12.	Pay roll Engineer's Department	75 00	
	12.	Pay roll for repairs	70 39	
	13.	Scott Newman	7 00	
	14.	Grainger & Co.	5 85	
	16.	Utica Lime Co.	15 00	
	22.	M. J. Duffy	16 00	
	23.	Samuel F. Harlan	416 62	
	24.	M. Berger	24 50	
				940 95
May	3.	Ohio Falls Cooperage Works . .	13 20	
	3.	Duffy & Kosiol	50 50	
	10.	R. A. Robinson & Co.	3 00	
	18.	Samuel F. Harlan	278 10	
	18.	Pay roll Engineer's Department	75 00	
	18.	Pay roll for repairs	5 25	
				425 05
June	7.	Pay roll Engineer's Department	75 00	
	7.	Pay roll for repairs	211 83	
	8.	Scott Newman	17 00	
	9.	Samuel F. Harlan	485 42	
	9.	M. Berger	98 00	
	10.	Utica Lime Co.	60 00	
				947 25
July	1.	Grainger & Co.	12 69	
	19.	Pay roll for repairs	747 28	
	27.	W. H. Slaughter	27 50	
				787 47
		Carried forward		$8,155 40

1886.	*Brought forward*		$8,155 40	
Aug. 14.	Pay roll Engineer's Department	296 06		
14.	Scott Newman	36 00		
14.	Jacob Krieger	46 80		
14.	M. Berger	68 60		
16.	J. C. Oestrich	8 00		
16.	Utica Lime Co.	68 75		
17.	Samuel F. Harlan	773 63		
			1,297 84	
				$9,453 24
1885.	RECONSTRUCTION, EASTERN DISTRICT.			
Sept. 5.	Pay roll Engineer's Department	100 00		
5.	Peter Bitzer	2,318 73		
24.	McGee & Co.	3 00		
			2,421 73	
Oct. 15.	Pay roll Engineer's Department	75 00		
16.	Barber Asphalt Paving Co. . .	2,229 04		
19.	Barber Asphalt Paving Co. . .	4,523 52		
19.	Peter Bitzer	1,057 55		
22.	J. R. Gleason	380 71		
			8,265 82	
Nov. 7.	J. R. Gleason	666 07		
12.	Pay roll Engineer's Department	100 00		
12.	Pay roll for unloading granite	45 75		
12.	Pay roll for repairing sidewalks	180 63		
13.	Bank of Louisville	8,016 93		
1886.			9,009 38	
Aug. 13.	John Weisenstein	932 95		
30.	B. E. Cassilly	1,311 42		
			2,244 37	
				21,941 30
1885.	RECONSTRUCTION, WESTERN DISTRICT.			
Sept. 5.	Fred Zable	$806 49		
5.	Pay roll Engineer's Department	75 00		
5.	M. Gleason	2,202 64		
30.	R. Snowden Andrews & Co. . .	859 75		
			$3,943 88	
Oct. 15.	Pay roll Engineer's Department	112 50		
15.	M. Gleason	1,941 30		
22.	Fred Zable	119 24		
29.	Utica Lime Co.	14 05		
			2,187 09	
Nov. 12.	Pay roll Engineer's Department	55 00		
12.	Pay roll for bowlder repairs . .	910 18		
12.	Pay roll for sidewalk repairs . .	278 10		
12.	Pay roll for sidewalk repairs . .	758 03		
	Carried forward	$2,001 31	$6,130 97	

1885.	*Brought forward*	$2,001 31	$6,130 97	
Nov. 12.	Pay roll for unloading granite	45 00		
14.	Scott Newman	109 55		
16.	F. M. Dougherty	1,815 96		
16.	A. D. Mulliken	35 00		
			4,006 82	
Dec. 4.	Scott Newman	94 15		
9.	A. D. Mulliken	575 75		
9.	Geo. Fast	405 61		
17.	Pay roll for sidewalk repairs	120 26		
17.	Pay roll bowlder repairs, Ninth street	834 22		
17.	Pay roll for bowlder repairs	846 25		
22.	Scott Newman	67 55		
23.	Scott Newman	56 71		
26.	John Jamison	958 49		
1886.			3,958 99	
Jan. 4.	Geo. Ritman	53 20		
7.	A. D. Mulliken	105 00		
13.	Pay roll for bowlder repairs	890 58		
25.	M. Gleason	389 76		
			1,438 54	
Feb. 10.	Fred Zable	4,874 50		
11.	M. Gleason	2,625 01		
15.	R. Snowden Andrews & Co.	14,078 38		
			21,577 89	
May 14.	Adam Wepler		4 00	
July 19.	Fred Zable		821 63	
Aug. 13.	Walter R. Davies	7,182 50		
13.	Busch & Weisenstein	640 53		
16.	D. Fleming	2,118 00		
16.	Peter Bitzer	1,071 87		
17.	Fred Zable	523 33		
30.	Fred Zable	4,361 41		
30.	B. E. Cassilly	1,236 21		
30.	B. E. Cassilly	476 26		
31.	H. A. Meyer	1,392 30		
31.	Walter R. Davies	9,147 30		
31.	J. M. Nehan	1,416 95		
			29,566 66	
				$67,505 50

SANITARY EXPENSES.

1885. Sept. 1.	Pay roll for August, 1885	$135 00	
Oct. 5.	Pay roll for September, 1885	135 00	
Nov. 2.	Pay roll for October, 1885	135 00	
Dec. 2.	Pay roll for November, 1885	135 00	
	Carried forward	$540 00	

1886.		*Brought forward*		$540 00	
Jan.	2.	Pay roll for December, 1885		135 00	
Feb.	1.	Pay roll for January, 1886		135 00	
Mar.	1.	Pay roll for February, 1886 . .	$135 00		
	27.	Dan Fisher	8 50		
				143 50	
April	1.	Pay roll for March, 1886		135 00	
May	3.	Pay roll for April, 1886		135 00	
June	2.	Pay roll for May, 1886		135 00	
July	1.	Pay roll for June, 1886		135 00	
Aug.	2.	Pay roll for July, 1886		135 00	
					$1,628 50
1886.		SECRET SERVICE.			
Jan.	25.	P. B. Reed			1,000 00
1885.		SEWERS, EASTERN DISTRICT.			
Sept.	5.	W. J. Golden	$547 93		
	7.	Grainger & Co	38 30		
	7.	Pat Bannon	32 68		
	7.	Pay roll from street cleaning department	194 62		
	8.	Pay roll for sewer repairs . . .	258 50		
	8.	Scott Newman	15 50		
	9.	M. Berger	29 40		
	24.	McGee & Co	4 50		
				$1,121 43	
Oct.	15.	Pay roll for street cleaning department	200 75		
	15.	Pay roll for sewer repairs . . .	585 45		
	16.	M. Berger	90 65		
	16.	Grainger & Co	340 44		
	16.	J. M. Nehan	709 64		
	17.	H. A. Meyer	10 50		
	17.	Pat Bannon	115 24		
	17.	Geo. Fast	11 20		
	19.	Scott Newman	29 00		
	19.	Peter Bitzer	85 65		
	20.	Peaslee, Gaulbert & Co	75		
	20.	Egelhoff & Bro	18 20		
	24.	John Knauer	17 67		
	29.	Utica Lime Co	145 78		
				2,360 92	
Nov.	12.	Scott Newman	33 50		
	12.	Pay roll for street cleaning department	205 25		
	12.	Pay roll for sewer repairs . .	270 43		
	13.	Jos. Gault	26 32		
	14.	Pat Bannon	46 20		
		Carried forward	$582 70	$3,482 35	

1885.	*Brought forward*	$582 70	$3,482 35
Nov. 17.	Utica Lime Co	74 45	
19.	Jas. A. Brewster	12 00	
21.	Geo. Fast	7 00	
			676 15
Dec. 3.	Grainger & Co	5 60	
4.	Rankin-Snyder Hardware Co .	2 85	
17.	Pay roll for sewer repairs . . .	218 85	
18.	Pay roll for street cleaning department	202 00	
22.	Scott Newman	17 00	
23.	Grainger & Co	62 39	
24.	Utica Lime Co	61 80	
			570 49
1886.			
Jan. 11.	Scott Newman	12 00	
12.	Pay roll for street cleaning department	204 00	
13.	Pay roll for sewer repairs . . .	127 36	
28.	Pat Bannon	25 16	
			368 52
Feb. 10.	Pay roll for street cleaning department	195 00	
11.	W. J. Golden	3,327 29	
15.	M. Berger	8 40	
16.	Jos. Gault	36 63	
20.	A. D. Mulliken	94 16	
23.	Utica Lime Co	35 10	
			3,696 58
Mar. 3.	Rankin-Snyder Hardware Co .	8 25	
10.	Pay roll for street cleaning department	182 62	
10.	Pay roll for sewer repairs . . .	68 54	
11.	Grainger & Co	12 76	
12.	Pat Bannon	9 60	
13.	Scott Newman	18 00	
15.	Peaslee, Gaulbert & Co	75	
			300 52
April 12.	Pay roll for street cleaning department	222 75	
12.	Pay roll for sewer repairs . . .	69 57	
13.	Scott Newman	6 00	
14.	Grainger & Co	47 54	
16.	Utica Lime Co	13 25	
17.	Jos. Nevin	20 00	
			379 11
	Carried forward		$9,473 72

1886.		*Brought forward*		$9,473 72	
May	5.	Jacob Ernwine	$1 50		
	18.	N. U. Walker Clay Co	25 00		
	18.	Pay roll for street cleaning department	214 50		
	18.	Pay roll for sewer repairs . . .	339 17		
	21.	Geo. B. Bahr & Co	3 25		
	21.	Busch & Weisenstein	38 10		
	21.	Mehler & Eckstenkemper . . .	42 88		
	25.	Jacob Krieger, Sr	39 00		
				703 40	
June	7.	Pay roll for sewer repairs . . .	65 44		
	8.	W. J. Golden	4,049 17		
	8.	Pay roll for street cleaning department	210 37		
	8.	Scott Newman	40 00		
	9.	M. Berger	4 90		
	10.	Utica Lime Co	68 75		
	10.	Geo. B. Bahr & Co	5 45		
	23.	W. J. Golden	1,027 84		
				5,471 92	
July	1.	Grainger & Co	17 91		
	13.	Mehler & Eckstenkemper . . .	23 32		
	19.	Pay roll for street cleaning department	214 50		
	20.	W. J. Golden	1,210 38		
	24.	Utica Lime Co	37 50		
				1,579 80	
Aug.	14.	Pay roll for street cleaning department	214 50		
	14.	Pay roll for sewer repairs . . .	168 99		
	14.	Scott Newman	12 00		
	14.	M. Berger	39 20		
	16.	W. J. Golden	805 99		
	16.	Utica Lime Co	75 00		
	31.	J. M. Nehan	1,041 71		
				2,357 39	
					$19,586 23

1885. SEWERS, WESTERN DISTRICT.

Sept.	7.	Grainger & Co	$89 17	
	7.	Pat Bannon	33 60	
	7.	Pay roll from street cleaning department	209 37	
	8.	Pay roll for sewer repairs . . .	184 92	
	8.	Scott Newman	23 00	
	9.	M. Berger	24 50	
		Carried forward	$564 56	

1885.		*Brought forward*	$564 56	
Sept.	10.	Wm. Low	4 10	
	24.	McGee & Co	4 50	
				573 16
Oct.	15.	Pay roll for street cleaning department	199 87	
	15.	Pay roll for sewer repairs . . .	244 41	
	16.	M. Berger	80 55	
	16.	Grainger & Co	126 66	
	17.	Pat Bannon	94 20	
	17.	M. Gleason	15 23	
	19.	Scott Newman	10 00	
	19.	Duffy & Kosiol	2 39	
	19.	Peter Bitzer	16 00	
	20.	Fred Zable	2 00	
	20.	Peaslee, Gaulbert & Co	75	
	25.	M. Gleason	25 58	
	29.	Utica Lime Co	85 92	
				903 86
Nov.	12.	Scott Newman	21 90	
	12.	Pay roll for street cleaning department	221 62	
	12.	Pay roll for sewer repairs . . .	164 48	
	13.	Jos. Gault	5 50	
	14.	Pat Bannon	3 60	
	16.	M. Berger	39 20	
				456 30
Dec.	3.	Grainger & Co	38 53	
	4.	Rankin-Snyder Hardware Co. .	10 35	
	17.	Pay roll for sewer repairs . . .	55 35	
	18.	Pay roll for street cleaning department	198 00	
	22.	Scott Newman	2 00	
	23.	Grainger & Co.	50 37	
				354 60
1886.				
Jan.	7.	A. D. Mulliken	9 30	
	11.	Scott Newman	19 00	
	12.	Pay roll for street cleaning department	210 37	
	13.	Sewer repair force	189 99	
	28.	Pat Bannon	11 88	
	29.	M. Berger	19 60	
				460 14
		Carried forward		$2,748 06

1886.		*Brought forward*		$2,748 06
Feb.	10.	Pay roll for street cleaning department	$185 37	
	15.	M. Berger	18 20	
	16.	Jos. Gault	46 25	
	16.	Scott Newman	8 20	
	20.	A. D. Mulliken	128 05	
	20.	Utica Lime Co	34 55	
				420 62
Mar.	3.	Rankin-Snyder Hardware Co. .	8 11	
	10.	Pay roll for street cleaning department	190 25	
	10.	Pay roll for sewer repairs . . .	240 37	
	11.	Grainger & Co	38 06	
	11.	M. Berger	9 80	
	12.	Pat Bannon	55 68	
	13.	Scott Newman	20 00	
	15.	Peaslee, Gaulbert & Co	75	
				563 02
April	12.	Pay roll for street cleaning department	214 50	
	12.	Pay roll for sewer repairs . . .	190 32	
	13.	Scott Newman	16 00	
	13.	Jenkins, Kosiol & Von Hoven .	1 95	
	14.	Grainger & Co	92 90	
	16.	Utica Lime Co	38 25	
	17.	Jos. Nevin	19 90	
	17.	A. D. Mulliken	12 68	
	24.	M. Berger	39 20	
				625 70
May	5.	Jacob Ernwine	1 50	
	11.	Jacob Krieger, Sr	9 10	
	18.	N. U. Walker Clay Co	26 70	
	18.	Pay roll for street cleaning department	210 37	
	18.	Pay roll for sewer repairs . . .	112 20	
	21.	Geo. B. Bahr & Co	12 35	
	21.	Mehler & Eckstenkemper . . .	8 00	
				380 22
June	7.	Pay roll for sewer repairs . . .	61 53	
	8.	Pay roll for street cleaning department	206 25	
	8.	Scott Newman	28 00	
	9.	M. Berger	11 90	
	10.	Utica Lime Co	71 25	
	10.	Geo. B. Bahr & Co.	5 00	
	10.	Pat Bannon	6 40	
				390 33
		Carried forward		$5,127 95

1886.	*Brought forward*		$5,127 95	
July 1.	Grainger & Co.	$13 43		
13.	Mehler & Eckstenkemper . . .	30 00		
19.	Pay roll for street cleaning department	214 50		
19.	Pay roll for sewer repairs . . .	99 16		
			357 09	
Aug. 14.	Pay roll for street cleaning department	214 50		
14.	Pay roll for sewer repairs . . .	211 93		
14.	Scott Newman	9 00		
14.	M. Berger	42 70		
16.	Utica Lime Co.	18 75		
			496 88	
				$5,981 92

1885. CLEANING STREETS, EASTERN DISTRICT.

Sept. 7.	Pay roll for August, 1885	$2,988 67	
Oct. 15.	Pay roll for September, 1885	2,290 40	
Nov. 12.	Pay roll for October, 1885	2,051 45	
Dec. 18.	Pay roll for November, 1885	1,202 29	
1886.			
Jan. 12.	Pay roll for December, 1885	1,597 39	
Feb. 10.	Pay roll for January, 1886	824 35	
Mar. 10.	Pay roll for February, 1886	768 15	
April 12.	Pay roll for March, 1886	1,826 01	
May 18.	Pay roll for April, 1886	2,664 45	
June 8.	Pay roll for May, 1886	2,993 13	
July 19.	Pay roll for June, 1886	2,506 58	
Aug. 14.	Pay roll for July, 1886	2,768 66	
			$24,481 53

1885. CLEANING STREETS, WESTERN DISTRICT.

Sept. 7.	Pay roll for August, 1885	$2,504 81	
Oct. 15.	Pay roll for September, 1885	2,350 75	
Nov. 12.	Pay roll for October, 1885	2,852 36	
Dec. 18.	Pay roll for November, 1885	1,971 54	
1886.			
Jan. 12.	Pay roll for December, 1885	2,586 35	
Feb. 10.	Pay roll for January, 1886	1,483 72	
Mar. 10.	Pay roll for February, 1886	1,252 51	
April 12.	Pay roll for March, 1886	2,561 58	
May 18.	Pay roll for April, 1886	3,231 48	
June 8.	Pay roll for May, 1886	3,328 30	
July 19.	Pay roll for June, 1886	3,472 11	
Aug. 14.	Pay roll for July, 1886	3,987 82	
			$31,583 33

1885.		REPAIRING STREETS, EASTERN DISTRICT.		
Sept.	5.	F. A. Perkins	$25 80	
	5.	Pay roll Engineer's Department	242 50	
	5.	Fred Zabel	100 00	
	7.	W. J. Shanks	99 60	
	7.	Ohio Valley Press Brick Co . .	18 90	
	7.	Humpitch & Bronger	64 88	
	8.	Pay roll hardwood repairs . .	536 62	
	8.	Pay roll gutter and alley repairs	515 05	
	8.	Pay roll McAdam repairs . . .	662 05	
	8.	H. A. Meyer	168 40	
	8.	Peter Wilson	40 70	
	10.	Geo. B. Bahr & Co	7 65	
	11.	Selvage & Snyder	12 00	
	12.	Mehler & Eckstenkemper . . .	1 57	
				$3,224 41
Oct.	9.	Thos. P. Shanks	50 00	
	15.	Pay roll Engineer's Department	252 50	
	15.	Pay roll bowlder repairs . . .	495 50	
	15.	Pay roll gutter and alley repairs	538 00	
	15.	Pay roll McAdam repairs . . .	686 25	
	16.	Sam F. Harlan	152 87	
	17.	H. A. Meyer	5 97	
	17.	Phil Gernert	70 82	
	19.	A. D. Mulliken	81 06	
	22.	Geo. B. Bahr & Co	10 00	
	26.	Peaslee, Gaulbert & Co	6 50	
				2,349 47
Nov.	2.	Jacob Krieger, Sr	21 60	
	3.	A. D. Mulliken	11 05	
	7.	John Jamison	41 80	
	12.	Pay roll Engineer's Department	206 50	
	12.	Pay roll hardwood repairs . . .	507 24	
	12.	Pay roll bowlder repairs . . .	234 00	
	12.	Pay roll McAdam repairs . . .	789 78	
	12.	Pay roll gutter and alley repairs	698 45	
	13.	Bank of Louisville	278 68	
	14.	Peter Bitzer	220 00	
	14.	Phil Gernert	56 75	
	16.	A. D. Mulliken	299 36	
	24.	Louis Eckstenkemper	31 75	
				3,396 96
Dec.	4.	Rankin-Snyder Hardware Co .	7 10	
	8.	Val Humpitch	97 10	
	8.	A. D. Mulliken	49 00	
	8.	Pay roll Engineer's Department	277 50	
	9.	A. D. Mulliken	616 65	
		Carried forward	$1,047 35	$8,970 84

1885.	*Brought forward*	$1,047 35	$8,970 84	
Dec. 9.	J. R. Long	22 00		
10.	J. R. Gleason	170 00		
12.	Jacob Krieger, Sr	19 50		
17.	Pay roll McAdam repairs . . .	684 27		
17.	Pay roll sidewalk repairs . . .	150 25		
17.	Pay roll bowlder repairs . . .	305 50		
17.	Pay roll hardwood repairs . . .	489 25		
17.	Pay roll gutter and alley repairs	414 73		
18.	Thos. Meikle	5 00		
21.	S. A. Brown	5 80		
24.	Louis Eckstenkemper	161 75		
28.	Phil Gernert	35 57		
28.	Peaslee, Gaulbert & Co	9 75		
1886.			3,520 72	
Jan. 5.	Louisville Machine and Elevator Works	204 00		
7.	A. D. Mulliken	166 92		
11.	Pay roll Engineer's Department	152 50		
13.	Pay roll gutter and alley repairs	141 75		
13.	Pay roll sidewalk repairs . . .	44 25		
13.	Pay roll bowlder repairs . . .	227 50		
13.	Pay roll McAdam repairs . . .	633 75		
13.	Pay roll hardwood repairs . . .	17 25		
16.	Peter Wilson	17 40		
22.	H. A. Meyer	83 00		
27.	Jacob Weber	100 00		
28.	A. D. Mulliken	161 67		
			1,949 99	
Feb. 1.	H. A. Meyer	346 79		
10.	Pay roll Engineer's Department	195 00		
12.	Pay roll McAdam repairs . . .	341 12		
12.	Pay roll gutter and alley repairs	109 75		
13.	J. L. Berry	700 00		
13.	A. D. Mulliken	190 75		
15.	Mehler & Eckstenkemper . . .	38 19		
23.	City Work House	10,369 27		
27.	F. A. Perkins	17 50		
			12,308 37	
Mar. 3.	Rankin-Snyder Hardware Co .	11 00		
9.	A. D. Mulliken	76 25		
10.	Pay roll Engineer's Department	115 00		
10.	Pay roll gutter and alley repairs	131 62		
10.	Pay roll McAdam repairs . . .	304 68		
12.	Louisville Transfer Co	3 75		
13.	Jacob Krieger, Sr.	7 50		
13.	John DeGarmo	3 00		
	Carried forward	$652 80	$26,749 92	

1886.		*Brought forward*	$652 80	$26,749 92
Mar.	15.	Peaslee, Gaulbert & Co	1 85	
	20.	Geo. B. Bahr & Co	1 40	
	27.	Dan Fisher	9 07	
				665 12
April	12.	Pay roll Engineer's Department	124 30	
	12.	Pay roll McAdam repairs . . .	189 13	
	12.	Pay roll gutter and alley repairs	279 50	
	12.	Pay roll bowlder repairs . . .	296 38	
	12.	Pay roll hardwood repairs . . .	242 50	
	15.	Louisville Transfer Co	8 00	
	17.	A. D. Mulliken	449 00	
	19.	Geo. B. Bahr & Co	17 55	
	23.	Val Humpitch	27 93	
				1,634 39
May	7.	A. D. Mulliken	73 80	
	12.	John Weber	100 00	
	18.	Pay roll Engineer's Department	282 50	
	18.	Pay roll McAdam repairs . . .	440 75	
	18.	Pay roll gutter and alley repairs	311 25	
	18.	Pay roll hardwood repairs . . .	444 50	
	18.	Pay roll bowlder repairs . . .	548 00	
	20.	A. D. Mulliken	25 00	
	21.	Geo. B. Bahr & Co	29 00	
	21.	Busch & Weisenstein	73 50	
	27.	A. D. Mulliken	235 75	
				2,564 05
June	5.	Thos. H. Taylor	2 30	
	7.	Pay roll Engineer's Department	175 00	
	7.	Pay roll McAdam repairs . . .	533 18	
	7.	Pay roll gutter and alley repairs	363 50	
	7.	Pay roll bowlder repairs . . .	630 88	
	7.	Pay roll hardwood repairs . . .	444 00	
	8.	Peaslee, Gaulbert & Co	70	
	10.	A. D. Mulliken	139 30	
	10.	Geo. B. Bahr & Co	10 05	
	11.	Pay roll rock breaking	29 28	
	26.	Peter Bitzer	264 84	
				2,593 08
July	7.	Thos. Gleason	5 22	
	8.	Charles P. Selvage	400 00	
	9.	Peaslee, Gaulbert & Co	1 00	
	13.	A. D. Mulliken	77 00	
	19.	Pay roll McAdam repairs . . .	536 75	
	19.	Pay roll gutter and alley repairs	346 97	
	19.	Pay roll bowlder repairs . . .	513 49	
	20.	Charles P. Selvage	222 25	
		Carried forward	$2,102 68	$34,206 56

1886.	*Brought forward*	$2,102 68	$34,206 56	
July 21.	A. D. Mulliken	60 60		
26.	Peaslee, Gaulbert & Co	3 50		
			2,166 78	
Aug. 14.	Pay roll gutter and alley repairs	251 19		
14.	Pay roll McAdam repairs . . .	292 25		
14.	Pay roll bowlder repairs . . .	260 00		
14.	Pay roll hardwood repairs . . .	587 00		
17.	A. D. Mulliken	48 00		
18.	Mehler & Eckstenkemper . . .	3 25		
			1,441 69	
				$37,815 03

1885. REPAIRING STREETS, WESTERN DISTRICT.

Sept. 5.	Pay roll Engineer's Department	$152 50		
7.	Humpitch & Bronger	126 00		
7.	Charles Elsner	26 40		
7.	J. P. McCollum	118 95		
8.	Pay roll sidewalk repairs . . .	208 25		
8.	Pay roll gutter and alley repairs	569 12		
8.	A. D. Mulliken	45 50		
8.	Pay roll bowlder repairs	948 86		
8.	Pay roll McAdam repairs . . .	412 43		
9.	A. D. Mulliken	588 43		
11.	J. W. Hedderman	3 50		
23.	Jos. Gault	55 50		
26.	W. R. Davis	170 15		
			$3,425 59	
Oct. 9.	Thos. P. Shanks	85 00		
15.	Pay roll Engineer's Department	188 40		
15.	M. Gleason	440 70		
15.	Pay roll sidewalk repairs . . .	243 37		
15.	Pay roll bowlder repairs . . .	817 62		
15.	Pay roll gutter and alley repairs	449 87		
15.	Pay roll hardwood repairs . . .	508 66		
15.	Pay roll McAdam repairs . . .	855 61		
16.	F. M. Dougherty	1,228 23		
16.	Sam F. Harlan	150 00		
16.	J. M. Nehan	303 30		
17.	H. A. Meyer	69 20		
17.	M. Gleason	150 50		
19.	A. D. Mulliken	834 16		
19.	J. P. McCollum	76 65		
19.	Peter Bitzer	1,496 00		
20.	Thos. Mulliken	78 50		
20.	L. Saffron	69 30		
22.	Geo. B. Bahr & Co	17 90		
			8,062 97	
	Carried forward		$11,488 56	

1885.	*Brought forward*			$11,488 56
Nov. 3.	A. D. Mulliken	$80 00		
7.	M. Gleason	421 30		
12.	Pay roll Engineer's Department	192 50		
12.	Pay roll gutter and alley repairs	525 93		
12.	Pay roll McAdam repairs . . .	1,007 50		
13.	Jos. Gault	58 46		
13.	Bank of Louisville	97 00		
14.	Scott Newman	62 65		
14.	Peter Bitzer	122 85		
16.	L. Saffron	270 30		
16.	A. D. Mulliken	897 86		
18.	John Bristin	47 80		
18.	Peaslee, Gaulbert & Co	6 00		
				3,790 15
Dec. 8.	A. D. Mulliken	772 66		
8.	Rankin-Snyder Hardware Co .	68 40		
8.	Pay roll Engineer's Department	192 50		
9.	L. Saffron	128 80		
9.	A. D. Mulliken	243 45		
12.	J. P. McCollum	51 80		
15.	Thos. Meikle & Co	16 00		
16.	B. E. Cassilly	52 70		
17.	Pay roll gutter and alley repairs	203 00		
17.	Pay roll McAdam repairs . . .	755 26		
17.	Pay roll sidewalk repairs . . .	131 88		
17.	Pay roll gutter and alley repairs	199 75		
19.	Chas. P. Selvage	191 40		
19.	Jos. Nevin	318 80		
22.	J. M. Nehan	48 30		
22.	John Jamison	41 10		
23.	Jos. Nevin	226 93		
29.	J. P. McCollum	31 15		
				3,673 88
1886.				
Jan. 4.	Peter Bitzer	1,047 30		
7.	A. D. Mulliken	537 35		
11.	Pay roll Engineer's Department	317 50		
13.	Pay roll hardwood repairs . . .	17 25		
13.	Pay roll gutter and alley repairs	373 88		
13.	Pay roll McAdam repairs . . .	753 00		
13.	W. R. Davis	117 35		
14.	J. R. Gleason	257 50		
20.	A. D. Mulliken	446 30		
20.	J. W. Hedderman	13 30		
28.	A. D. Mulliken	164 85		
				4,045 58
	Carried forward			$22,998 17

1886.		*Brought forward*		$22,998 17
Feb. 10.		Pay roll Engineer's Department	$117 50	
12.		J. M. Nehan	25 05	
12.		Pay roll gutter and alley repairs	201 00	
12.		Pay roll McAdam repairs . . .	122 38	
13.		J. L. Berry	472 00	
13.		A. D. Mulliken	45 35	
13.		Peter Bitzer	360 85	
16.		Scott Newman	21 15	
				1,357 08
Mar. 3.		Rankin-Snyder Hardware Co .	11 30	
9.		A. D. Mulliken	65 35	
10.		L. Saffron	111 20	
10.		Pay roll Engineer's Department	80 00	
10.		Pay roll gutter and alley repairs	259 87	
10.		Pay roll McAdam repairs . . .	96 00	
13.		Gleason & Gosnell	303 63	
15.		Jos. Gault	272 17	
				1,199 52
April 10.		Gleason & Gosnell	674 13	
12.		Pay roll Engineer's Department	226 10	
12.		Pay roll McAdam repairs . . .	181 00	
12.		Pay roll gutter and alley repairs	352 25	
12.		Pay roll bowlder repairs	98 25	
13.		Scott Newman	10 50	
15.		Louisville Transfer Co	9 00	
16.		Utica Lime Co	12 50	
16.		Chas. Elsner	38 20	
17.		A. D. Mulliken	61 20	
19.		Geo. B. Bahr & Co	13 00	
				1,676 13
May 3.		Gleason & Gosnell	1,918 77	
3.		Scott Newman	71 75	
7.		A. D. Mulliken	94 15	
18.		Pay roll bowlder repairs	665 25	
18.		Pay roll Engineer's Department	117 50	
18.		Pay roll gutter and alley repairs	531 63	
18.		Pay roll McAdam repairs . . .	686 50	
20.		A. D. Mulliken	20 35	
20.		Gleason & Gosnell	615 05	
21.		Geo. B. Bahr & Co	9 55	
21.		Mehler & Eckstenkemper . . .	128 96	
27.		A. D. Mulliken	196 35	
29.		Bush & Weisenstein	24 17	
				5,079 98
		Carried forward		$32,310 88

1886.		*Brought forward*		$32,310 88	
June	7.	J. W. Hedderman	$57 05		
	7.	Pay roll Engineer's Department	293 22		
	7.	Pay roll McAdam repairs . . .	574 62		
	7.	Pay roll gutter and alley repairs	629 11		
	7.	Pay roll bowlder repairs . . .	416 25		
	8.	Scott Newman	20 30		
	9.	M. Berger	14 00		
	9.	Gleason & Gosnell	835 36		
	9.	M. Gleason	162 17		
	10.	A. D. Mulliken	136 85		
	10.	Utica Lime Co	18 75		
	10.	Geo. B. Bahr & Co	12 00		
	11.	Pay roll rock breaking	12 98		
	21.	Scott Newman	52 85		
	26.	Peter Bitzer	1,245 09		
				4,480 60	
July	8.	Gleason & Gosnell	868 75		
	8.	Chas. P. Selvage	859 40		
	13.	A. D. Mulliken	160 00		
	17.	Gleason & Gosnell	63 62		
	19.	Pay roll gutter and alley repairs	679 85		
	19.	Pay roll McAdam repairs . . .	719 12		
	19.	Pay roll bowlder repairs	470 20		
	20.	Gleason & Gosnell	604 23		
	20.	Chas. P. Selvage	728 64		
	21.	A. D. Mulliken	186 24		
				5,342 05	
Aug.	14.	Pay roll bowlder repairs . . .	717 02		
	14.	Pay roll McAdam repairs . . .	650 37		
	14.	Pay roll gutter and alley repairs	718 13		
	14.	Scott Newman	32 65		
	16.	Peter Bitzer	384 22		
	17.	H. A. Meyer	32 06		
	17.	J. R. Gleason	87 40		
	17.	A. D. Mulliken	114 65		
	24.	Pay roll hardwood repairs . . .	545 00		
				3,281 50	
					$45,415 03
1885.		WORK-HOUSE EXPENSES.			
Sept.	8.	Ohio Valley Telephone Co.		$9 00	
Oct.	5.	Pay roll for August, 1885 . . .	$1,389 48		
	19.	Ohio Valley Telephone Co. . .	4 50		
	23.	Louisville & Nashville Railroad	115 29		
				1,509 27	
		Carried forward		$1,518 27	

1885.	*Brought forward*		$1,518 27	
Nov. 12.	Pay roll for September	$1,268 88		
17.	Ohio Valley Telephone Co. . .	4 50		
			1,273 38	
Dec. 3.	Pay roll for October, 1885 . . .	1,856 65		
17.	Pay roll for November, 1885 . .	1,296 68		
			3,153 33	
1886.				
Feb. 12.	Pay roll for December, 1885 . .	1,775 26		
18.	Pay roll for January, 1886 . .	1,749 69		
18.	Ohio Valley Telephone Co. . .	9 00		
			3,533 95	
Mar. 15.	Ohio Valley Telephone Co. . .	9 00		
27.	Pay roll for February	1,430 56		
			1,439 56	
May 3.	Ohio Valley Telephone Co. . .	4 75		
6.	Pay roll for March	1,655 60		
20.	Ohio Valley Telephone Co. . .	4 50		
25.	Pay roll for April, 1886	1,601 49		
			3,266 34	
June 25.	Ohio Valley Telephone Co.		4 50	
July 7.	Pay roll for May, 1886	1,464 89		
9.	Chess-Carley Co.	10 85		
19.	Pay roll for June, 1886	1,490 42		
22.	Ohio Valley Telephone Co. . .	4 50		
			2,970 66	
Aug. 16.	Ohio Valley Telephone Co.		4 50	
				$17,164 49
1885.	WESTERN OUTFALL SEWER.			
Sept. 2.	Fischer, Leaf & Co.	$4 59		
10.	Geo. B. Bahr & Co	7 50		
			$12 09	
Oct. 15.	Pay roll for repairs	52 15		
29.	Utica Lime Co.	9 55		
			61 70	
Nov. 13.	Jos. Gault		59 75	
				$133 54
1885.	REFUNDED TAXES.			
Oct. 5.	Pay roll for August, 1885		$626 84	
Dec. 17.	Pay roll for November, 1885		218 29	
1886.				
Mar. 27.	Dan Fisher		4 20	
April 14.	Pay roll for March, 1886		225 38	
May 6.	Pay roll for April, 1886		428 68	
June 5.	Pay roll for May, 1886		43 40	
Aug. 14.	Pay roll for July, 1886		14 99	
				$1,561 78

1885.		PUBLIC LIGHTS.			
Sept.	7.	Pay roll for August, 1885 . . .	$329 00		
	9.	Louisville Electric Light Co . .	390 60		
				$719 60	
Oct.	15.	Pay roll for September, 1885 .	588 10		
	16.	Louisville Electric Light Co . .	406 00		
	17.	H. C. Anderson & Co	228 73		
				1,222 83	
Nov.	12.	Pay roll for October, 1885 . . .	374 95		
	17.	Louisville Electric Light Co . .	432 60		
				807 55	
Dec.	3.	H. C. Anderson & Co	251 75		
	17.	Pay roll for November, 1885 . .	335 25		
				587 00	
1886.					
Jan.	28.	Louisville Electric Light Co		629 30	
Feb.	12.	Pay roll for December, 1885		380 69	
Mar.	1.	Chess-Carley Co	204 22		
	10.	Pay roll for January, 1886 . .	362 37		
				566 59	
April	1.	Chess-Carley Co	217 48		
	12.	Pay roll for February, 1886 . .	355 97		
	21.	Pay roll for March, 1886 . . .	480 45		
	24.	Chess-Carley Co	353 98		
				1,407 88	
May	18.	Pay roll for April, 1886	345 45		
	20.	Chess-Carley Co	194 98		
				540 43	
June	7.	Pay roll for May, 1886	348 52		
	15.	Chess-Carley Co	172 29		
				520 81	
July	7.	Pay roll for June, 1886	346 80		
	9.	Chess-Carley Co	150 41		
				497 21	
Aug.	14.	Pay roll for July, 1886	346 53		
	30.	Louisville Electric Light Co . .	816 co		
				1,162 53	
					$9,042 42

RECAPITULATION.

Alms House	$15,817 93
Assessor's Department	9,965 16
City Court	9,277 97
City Hall Expenses	7,393 58
City Officers	20,310 28
Commissions Collecting Revenue	10,251 74
Contingent Expenses	3,969 58
County Institution Expenses	21,272 49
Engineer's Department	10,884 93
Eruptive Hospital	1,772 49
Fire Department	124,176 50
Footway Crossings, Eastern District	102 36
Footway Crossings, Western District	12 00
Hospital Expenses	26,827 86
Incidental Expenses	12,186 56
Old Liabilities	7,849 05
Police Department	117,585 86
Printing and Stationery	6,627 92
Private Drains	5,225 14
Pumps, Wells, and Cisterns	9,453 24
Real Estate	7,500 00
Real Estate R. W.—Eastern District	3,500 00
Reconstruction—Eastern District	21,941 30
Reconstruction—Western District	67,505 50
Sanitary Expenses	1,628 50
Secret Service	1,000 00
Sewers, Eastern District	19,586 23
Sewers, Western District	5,981 92
Street Cleaning, Eastern District	24,481 53
Street Cleaning, Western District	31,583 33
Street Repairs, Eastern District	37,815 03
Street Repairs, Western District	45,415 03
Work House Expenses	17,164 49
Western Outfall Sewer	133 54
Public Lights	9,042 42
Refunded Tax	1,561 78
	$716,803 24

REPORT

OF THE

CITY BOOK-KEEPER,

FOR THE

YEAR ENDING AUGUST 31, 1886.

OFFICE OF CITY BOOK-KEEPER,

LOUISVILLE, KY., September 1, 1886.

To the Mayor and General Council of the City of Louisville:

GENTLEMEN: I have the honor to transmit herewith statements showing the financial operations during the year 1886, and the financial situation of the City at the close of the fiscal year August 31, 1886.

Very respectfully,

Your obedient servant,

WILLIAM INGRAM,

City Book-keeper.

BOOK-KEEPER'S REPORT.

STATEMENTS.

Receipts from all sources during the year 1886		$1,004,869 62
The disbursements during the year have been:		
For current year (1886)	$667,078 96	
For business, 1884	12,668 74	
For floating debt	80,397 79	
		760,145 49
Balance remaining in the Treasury, August 31, 1886		$244,724 13
To credit of General Fund, 1884	$2.865 04	
To credit of General Fund, 1886	82,256 88	
To credit of floating debt	159,602 21	
		$244,724 13

ASSESSMENT, 1886.

The following table shows the assessed value of city property for the year 1886:

Land	$30,690,026 00	
Improvements	26,967,965 00	
Personal property	2,115,877 00	
		$59,873,868 00
Investments	4,015,126 00	
Acre property	516,521 00	
		4,531,647 00
		$64,405,515 00

The table herewith exhibits the amount levied for the various funds for the year 1886, and the amounts produced by such levy:

City tax, 85 cents on	$59,873,868 00	$508,927 60
Reconstruction streets, E. D., 4 cents on	59,873,868 00	23,949 55
Reconstruction streets, W. D., 5 cents on	59,873,868 00	29,936 93
Cleaning streets, E. D., 4 cents on	59,873,868 00	23,949 55
Cleaning streets, W. D., 5 cents on	59,873,868 00	29,936 93
Street repairs, E. D., 6 cents on	59,873,868 00	35,924 32
Carried forward		$652,624 88

Brought forward		$652,624 88
Street repairs, W. D., 7¾ cents on	59,873,868 00	46,402 24
Footway crossings, E. D., ⅛ cent on	59,873,868 00	748 42
Footway crossings, W. D., ⅛ cent on	59,873,868 00	748 43
Sewers, cleaning and repairing, E. D., 1 cent on	59,873,868 00	5,987 08
Sewers, cleaning and repairing, W. D., 1 cent on	59,873,868 00	5,987 09
Head Tax		13,636 00
		$726,134 14
Individual head tax bills		22,868 00
City funds		$749,002 14
House of Refuge, 5 cents on	$59,873,868 00	$29,936 93
City Schools, 30 cents on	64,405,515 00	193,216 54
Sinking Fund, 40 cents on	59,873,868 00	239,495 47
E. & P. & St. L. A. L. Railroad, 30 cents on	64,405,515 00	193,216 54
Bond interest, 6 cents on	59,873,868 00	35,924 32
Special funds		$691,789 80

RECAPITULATION.

City funds	$726,134 14
Special funds	691,789 80
Total levy, 1886	$1,417,923 94

BONDED DEBT.

The bonded debt of the City, August 31, 1885, was	$9,074,000 00
Issued in August, 1886, Municipal Improvement old Liability bonds	$500,000 00
	$9,574,000 00
There has been canceled and destroyed by the Commissioners of the Sinking Fund during the year 1886	132,000 00
Leaving the bonded debt, August 31, 1886	$9,442,000 00

STATEMENT

OF THE OLD LIABILITY DEBT TO AUGUST 31, 1886.

This debt is made a charge upon the Sinking Fund; the City's interest in the old tax bills from 1876 to 1881 is paid into the Treasury of the Sinking Fund to discharge this debt.

Balance Warrants outstanding		$16,531 74	
1886.			
August 31.	Warrants since issued	4,999 95	
			$21,531 69
1886.			
August 31.	Paid by Sinking Fund during the year 1886 . . .		4,715 57
			$16,816 12

APPROPRIATIONS.

The following table will furnish an exhibit of the appropriations for the year ending August 31, 1886, and the amounts expended:

FUNDS OF 1886.	APPROPRIATED.	EXPENDED.
Assessor's Department	$12,000 00	$10,965 16
City Officers	21,000 00	20,340 78
Commission collecting revenue	8,500 00	7,951 35
Engineer's Department	12,000 00	11,859 24
Fire Department	127,000 00	126,130 60
Police Department	127,000 00	117,610 87
City Hall expenses	8,500 00	7,424 32
City Court expenses	10,000 00	10,150 22
County Institution expenses	25,000 00	21,709 64
Contingent expenses	5,000 00	4,020 83
Incidental expenses	25,800 00	12,164 61
Printing & Stationery	7,500 00	6,791 04
Pumps, Wells, and cisterns	10,000 00	10,180 02
Secret Service	1,000 00	1,000 00
Sanitary expenses	2,200 00	1,620 00
Alms House	20,000 00	16,762 44
City Hospital	31,000 00	28,552 01
Eruptive Hospital	2,000 00	1,990 54
Public lights, viz:		
Gasoline, $6,748.63	10,000 00	9,176 53
Electric, old, $1,467.90		
Electric, new, $960.00		
Work House expenses	21,000 00	18,545 72
Sewers, E. D.	5,987 08	6,480 72
Sewers, W. D.	5,987 08	5,627 41
Street repairs, E. D.	31,613 41	32,001 18
Street repairs, W. D.	40,833 98	41,247 31
Footways, E. D.	658 61	57 68
Footways, W. D.	658 61	75 04
Reconstruction, E. D.	21,075 61	32,509 33
Reconstruction, W. D.	26,344 50	41,733 58
Street Cleaning, E. D.	23,949 55	22,569 63
Street Cleaning, W. D.	20,936 93	30,822 77
Interest	1,500 00	1,455 62
Real estate right of way E. D.	. . . . .	3,500 00
Refunded taxes	1,000 00	611 80
Real estate	15,000 00	7,500 00
Private drains	. . . . .	5,159 29
Reconstruction 1885, re-appropriated	62,719 85	. . . . .
	$749,765 20	$676,297 28

Accounts payable 1884, registered during the year 1886	$4,830 53
Municipal Improvement Bond Claims, registered in 1886	45,372 17

LEDGER BALANCES, August 31, 1886.

Dr.

Street repairs, Eastern District	$5,341 84
Sewers, Eastern District	5,096 23
Sewers, Western District	4,882 59
Street cleaning, Eastern District	12,494 55
Street cleaning, Western District	20,571 62
City Treasurer	244,724 13
Collateral stocks and mortgages	433,000 00
Commissioners of Sinking Fund	4,255,625 92
Interest and Dividend Fund in Gas Company in trust	99,000 00
Stock in Gas Company in trust	157,800 00
Stock in Gas Company	640,350 00
Stock in Shelby Branch Railroad	90,000 00
Stock in Louisville Water Company	463 05
Real Estate	3,092,219 40
Sinking Fund	8,935 34
Old Liability Municipal Improvement Bond Balance	260,000 00
Profit and Loss	1,974,505 58
House of Refuge	11 52
City Schools	69 14
H. W. Kohnhorst, No. 7	388,684 51
H. W. Kohnhorst, No. 8	150,666 04
H. W. Kohnhorst, No. 9	217,229 42
H. W. Kohnhorst, No. 10	320,105 47
Fire Department Property	100,164 77
Footway crossings, Western District	671 87
	$12,482,612 99

Cr.

Accounts payable, 1886	$104,472 02
Accounts payable, old	1,373 61
Private Drains	194 57
Richmond Railroad Fund	4,140 60
Bonds	9,442,000 00
Warrants	230,068 13
Warrants, old	16,816 12
Bills Payable	50,000 00
Flege Fund	528 09
Bonds Loaned	1,508,000 00
Street repairs, Western District	2,297 78
Reconstruction Streets, Eastern District	22,831 24
Reconstruction Streets, Western District	22,520 48
Footway crossings, Eastern District	684 91
Assessment, 1886	217,229 42
Assessment, 1885	150,666 04
Assessments, Old	388,684 51
Transferred Assessments	320,105 47
	$12,482,612 99

ABSTRACT

OF THE RECEIPTS OF THE CITY OF LOUISVILLE FOR CITY PURPOSES FROM SEPTEMBER 1, 1885, TO AUGUST 31, 1886.

BALANCE IN THE TREASURY SEPTEMBER 1, 1885.

To Credit General Fund 1884	$1,835 16	
To Credit General Fund 1885	36,319 44	
		$38,154 60

RECEIPTS.

From Taxes, assessments 1882	$4,356 87	
From Taxes, assessments 1883	3,213 05	
From Taxes, assessments 1884	6,128 70	
From Taxes, assessments 1885	72,454 28	
From Taxes, assessments 1886	601,040 68	
		$687,193 58
From Old Liability Municipal Improvements Bonds, on account		240,000 00
From City Court fines and fees		3,780 05
From Police Department		50 00
From contingent expenses		183 40
From incidental expenses		20
From printing and stationery		22 50
From Alms House		1,241 16
From City Hospital		3,004 25
From Work House		11,228 49
From interest, General Fund deposit		2,432 61
From sewers, Western District		149 36
From private drains		5,228 24
From street repairs, Eastern District		61 50
From street repairs, Western District		118 04
From street cleaning, Eastern District, sale of scrapings		448 70
From street cleaning, Eastern District, sale of sweepers		1,500 00
From street cleaning, Western District, sale of scrapings		73 10
From Ferry Privilege		1,000 00
From Portland Cemetery		25 00
From Secret Service (not used)		1,000 00
From House of Refuge		570 16
From City Schools		3,689 72
From Flege Fund		17 62
From Public Lights		333 74
From Real Estate sale		3,363 60
		$1,004,869 62

ABSTRACT

OF THE EXPENDITURES OF THE CITY OF LOUISVILLE FOR CITY PURPOSES FOR THE FISCAL YEAR ENDING AUGUST 31, 1886.

REGISTERED ACCOUNTS, 1886.

Assessor's Department	$10,965 16	
City Officers	20,340 78	
Commissions collecting revenue	7,951 35	
Engineer's Department	11,859 24	
Fire Department	126,130 60	
Police Department	117,610 87	
City Hall expenses	7,424 32	
City Court expenses	10,150 22	
County Institution expenses	21,709 64	
Contingent expenses	4,020 83	
Incidental expenses	12,164 61	
Printing and stationery	6,791 04	
Pumps, wells, and cisterns	10,180 02	
Secret service	1,000 00	
Sanitary expenses	1,620 00	
Alms House	16,762 44	
City Hospital	28,552 01	
Eruptive Hospital	1,990 54	
Public lights	8,216 53	
Electric lights	960 00	
Work House expenses	18,545 72	
Sewers, Eastern District	6,480 72	
Sewers, Western District	5,627 41	
Street repairs, Eastern District	32,001 18	
Street repairs, Western District	41,247 31	
Footway crossings, Eastern District	57 68	
Footway crossings, Western District	75 04	
Reconstruction of streets, Eastern District	32,509 33	
Reconstruction of streets, Western District	41,733 58	
Street cleaning, Eastern District	22,569 63	
Street cleaning, Western District	30,822 77	
Interest	1,455 62	
Real estate, right of way, Eastern District	3,500 00	
Real estate	7,500 00	
Refunded taxes	611 80	
Private drains	5,159 29	
Richmond Railroad Tax, refunded by Treasurer	53 20	
Sewers, Western District, paid	55 10	
Business of 1886		$676,405 58
Police Department	$41 83	
Incidental Expenses	956 15	
Carried forward	$997 98	$676,405 58

Brought forward		$997 98	$676,405 58
Printing and stationery (City Reports)		1,349 40	
Work House expenses		10 85	
Street reconstruction, Western District		169 14	
Commission collecting revenue		797 53	
Refunded taxes		230 63	
Reconstruction of streets, Eastern District (Lithographing bonds paid out of funds of 1884, by order of Jas. Gilbert)		1,275 00	
Business of 1884, registered in 1886			4,830 53
Building sewers, Eastern District	$12,269 77		
Reconstruction of streets, Western District	32,980 95		
Western Outfall Sewer	121 45		
Business bond fund, registered in 1886			45,372 17
Floating debt interest on warrants			22,101 90
Balances in the Treasury August 31, 1886, to credit of General Fund 1884	$2,865 04		
To credit of General Fund 1886	82,256 88		
To credit of floating debt	159,602 21		
			244,724 13
			$993,434 31
Warrants outstanding August 31, 1885	$276,846 41		
Bills payable	50,000 00		
Accounts payable	69,129 05		
		$395,975 46	
Less warrants outstanding Aug. 31, 1886	$230,068 13		
Bills payable	50,000 00		
Accounts payable	104,472 02		
		384,540 15	
			$11,435 31
			$1,004,869 62
Debt 1884, August 31, 1885	$155,785 82		
Bond debt, August 31, 1885	182,215 00		
Debt 1885, August 31, 1885	57,974 64		
		$395,975 46	
Less floating debt, August 31, 1886	$317,238 89		
Debt 1886, August 31, 1886	67,301 26		
		384,540 15	
Decrease of debt			$11,435 31

ABSTRACT.

SUMMARY OF THE RECEIPTS AND EXPENDITURES OF THE MUNICIPAL IMPROVEMENT BOND FUND DURING THE YEAR 1886.

Balance outstanding, August 31, 1885		$182,215 00
Claims registered during the year 1886 as follows:		
Sewers, Eastern District	$12,269 77	
Reconstruction streets, Western District	32,980 95	
Western Outfall Sewer	121 45	
	45,372 17	
NOTE.—There was paid out of the General Fund of 1884, by order of the Mayor, on Western Outfall Sewer	424 17	
		44,948 00
Bond debt, transferred to floating debt		$227,163 00

ABSTRACT.

SUMMARY OF THE RECEIPTS AND EXPENDITURES MADE DURING THE YEAR 1886 ON THE DEBT OF 1884.

Balance to the credit of this debt, August 31, 1885	$1,835 16	
Receipts from tax collections assessments, 1882, 1883, and 1884 during the year 1886	13,698 62	
		$15,533 78
Balance outstanding August 31, 1885	155,785 82	
Accounts payable, registered in 1886	4,830 53	
Amount paid on bond account by order of Mayor Reed (Western Outfall Sewer)	424 17	
Balance to credit, August 31, 1886	2,865 04	
Debt 1884, transferred to floating debt		163,905 56
		$148,371 78

FLOATING DEBT.

Aug. 31.	Municipal improvement bond, balance .	$227,163 00	
	Debt 1882, 1883, and 1884, balance . . .	148,371 78	
	Interest on warrants	22,101 90	
	Balance to credit of this debt, August 31, 1886, in Treasury	159,602 21	
			$557,238 89
	By first payment on new issue bonds by Sinking Fund		240,000 00
			317,238 89

DEBT.

SUMMARY OF RECEIPTS AND EXPENDITURES MADE DURING THE YEAR 1886, FROM SEPTEMBER 1, 1885, TO AUGUST 31, 1886.

RECEIPTS.

Tax collections 1885 including balance, August 31, 1885	$108,773 72	
Tax collections, 1886	601,040 68	
City institutions	39,521 44	
		$749,335 84

EXPENDED.

Accounts payable, registered during the year . . .	676,297 28	
Debt 1885, outstanding at the close of year, August 31, 1885	57,974 64	
Richmond railroad certificates and sewer work . . .	108 30	
Balance in Treasury, August 31, 1886	82,256 88	
		816,637 10
Debt, 1886, outstanding August 31, 1886		$67,301 26

STATEMENT, AUGUST 31, 1886, OF THE BUSINESS OF THE YEAR 1886. SHOWING REVENUE AND COLLECTIONS, RECEIPTS AND DISBURSEMENTS, ASSETS AND LIABILITIES, OF THE YEAR 1886.

REVENUE AND COLLECTIONS.

REVENUE—			
Tax Bills, 1886, gross	$726,134 14		
Less discount on bills	13,625 69		
		$712,508 45	
Individual head tax bills		22,868 00	
City institutions		39,521 44	
			$774,897 89
COLLECTIONS—			
Tax bills, 1886		601,040 68	
City institutions		39,521 44	
Uncollected revenue, 1886 (tax bills)		134,335 77	
			774,897 89

RECEIPTS AND DISBURSEMENTS.

RECEIPTS—			
Tax collections, 1885, including balance August 31, 1885		108,773 72	
Tax collections, 1886		601,040 68	
City institutions		39,521 44	
			749,335 84
DISBURSEMENTS—			
Paid Auditor's warrants, 1885		57,974 64	
Paid Auditor's warrants, 1886		607,540 40	
Paid discount on loans		1,455 62	
Paid Richmond railroad certificates and sewer work		108 30	
Cash, balance in Treasury August 31, 1886		82,256 88	
			749,335 84

ASSETS AND LIABILITIES.

ASSETS—			
Tax bills 1885, City's per cent.		82,664 00	
Municipal Improvement Bond Fund for payments by Treasurer		24,051 14	
Tax bills 1886, City's per cent		134,335 77	
Cash in Treasury August 31		82,256 88	
			323,307 79
CURRENT LIABILITIES 1886—			
Warrants and vouchers outstanding		67,301 26	
Assets over liabilites		256,006 53	
			323,307 79

The following statements show in detail all transactions of every nature made on each account during the year ending August 31, 1886:

ACCOUNTS PAYABLE, OLD.

1886.	**Dr.**		
Aug. 31.	To warrants	$4,999 95	
31.	To balance	1,373 61	
			$6,373 56
1885.	**Cr.**		
Sept. 1.	By balance	848 59	
1886.			
Aug. 31.	By sundries	5,524 97	
			6,373 56

ACCOUNTS PAYABLE, 1886.

1886.	**Dr.**		
Aug. 31.	To warrants	711,803 29	
31.	To balance	104,472 02	
			816,275 31
1885.	**Cr.**		
Sept. 1.	By balance	69,129 05	
1886.			
Aug. 31.	By sundries	747,146 26	
			816,275 31

ASSESSOR'S DEPARTMENT.

1886.	**Dr.**	
Aug. 31.	To accounts payable, registered	10,965 16
	Cr.	
Aug. 31.	By General Fund	10,965 16

CITY OFFICERS.

1886.	**Dr.**	
Aug. 31.	To accounts payable, registered	20,340 78
	Cr.	
Aug. 31.	By General Fund	20,340 78

ENGINEER'S DEPARTMENT.

1886.	**Dr.**	
Aug. 31.	To accounts payable, registered	11,859 24
	Cr.	
Aug. 31.	By General Fund	11,859 24

FIRE DEPARTMENT.

1886.	**Dr.**	
Aug. 31.	To accounts payable, registered	126,130 60
	Cr.	
Aug. 31.	By General Fund	126,130 60

POLICE DEPARTMENT.

1886.	Dr.		
Aug. 31.	To accounts payable 1884, registered .	$41 83	
31.	To accounts payable 1886, registered .	117,610 87	
			$117,652 70
	Cr.		
Mar. 31.	By Treasurer	50 00	
Aug. 31.	By General Fund	117,602 70	
			117,652 70

CITY HALL EXPENSES.

1886.	Dr.	
Aug. 31.	To accounts payable, registered	7,424 32
	Cr.	
Aug. 31.	By General Fund	7,424 32

CITY COURT EXPENSES.

1886.	Dr.		
Aug. 31.	To accounts payable, registered		10,150 22
	Cr.		
Aug. 31.	By Treasurer	3,780 05	
31.	By General Fund	6,370 17	
			10,150 22

COUNTY INSTITUTIONS.

1886.	Dr.	
Aug. 31.	To accounts payable, registered	21,709 64
	Cr.	
Aug. 31.	By General Fund	21,709 64

CONTINGENT EXPENSES.

1886.	Dr.	
Aug. 31.	To accounts payable, registered	4,020 83
	Cr.	
Aug. 31.	By City Treasurer	183 40
31.	By General Fund	3,837 43
		4,020 83

INCIDENTAL EXPENSES.

1886.	Dr.		
Aug. 31.	To accounts payable 1884, registered .	956 15	
31.	To accounts payable 1886, registered .	12,164 61	
			13,120 76
1885.	Cr.		
Nov. 30.	By City Treasurer	20	
1886.			
Aug. 31.	By General Fund	13,120 56	
			13,120 76

PRINTING AND STATIONERY.

1886.	Dr.		
Aug. 31.	To accounts payable 1884, registered .	$1,349 40	
31.	To accounts payable 1886, registered .	6,791 04	
			$8,140 44
	Cr.		
Jan. 31.	By Treasurer	22 50	
Aug. 31.	By General Fund	8,117 94	
			8,140 44

PUMPS, WELLS, AND CISTERNS.

1886.	Dr.	
Aug. 31.	To accounts payable, registered	10,180 02
	Cr.	
Aug. 31.	By General Fund	10,180 02

SANITARY EXPENSES.

1886.	Dr.	
Aug. 31.	To accounts payable, registered	1,620 00
	Cr.	
Aug. 31.	By General Fund	1,620 00

ALMS HOUSE EXPENSES.

1886.	Dr.		
Aug. 31.	To accounts payable, registered		16,762 44
	Cr.		
Aug. 31.	By Treasurer	1,241 16	
31.	By General Fund	15,521 28	
			16,762 44

CITY HOSPITAL.

1886.	Dr.		
Aug. 31.	To accounts payable, registered		28,552 01
	Cr.		
Aug. 31.	By Treasurer	3,004 25	
31.	By General Fund	25,547 76	
			28,552 01

ERUPTIVE HOSPITAL.

1886.	Dr.	
Aug. 31.	To accounts payable, registered	1,990 54
	Cr.	
Aug. 31.	By General Fund	1,990 54

WORK HOUSE EXPENSES.

1886.	Dr.		
Aug. 31.	To accounts payable 1884, registered .	10 85	
31.	To accounts payable 1886, registered .	18,545 72	
			18,556 57
	Cr.		
Aug. 31.	By Treasurer	11,228 49	
31.	By General Fund	7,328 08	
			18,556 57

PUBLIC LIGHTS.

1886.	Dr.		
Aug. 31.	To accounts payable, registered, Gasoline Lights	$6,748 63	
31.	To accounts payable, registered, Electric Lights	1,467 90	
			$8,216 53
	Cr.		
Aug. 31.	By Treasurer	333 74	
31.	By General Fund	7,882 79	
			8,216 53

REFUNDED TAXES.

1886.	Dr.		
Aug. 31.	To accounts payable 1884, registered	230 63	
31.	To accounts payable 1886, registered	611 80	
			842 43
	Cr.		
Aug. 31.	By General Fund		842 43

ELECTRIC LIGHTS.

1886.	Dr.	
Aug. 31.	To accounts payable	960 00
	Cr.	
Aug. 31.	By General Fund	960 00

SECRET SERVICE.

1886.	Dr.	
Aug. 31.	To accounts payable	1,000 00
	Cr.	
Aug. 31.	By Treasurer, fund returned	1,000 00

COMMISSIONS COLLECTING REVENUE.

1886.	Dr.		
Aug. 31.	To accounts payable 1884, registered	797 53	
31.	To accounts payable 1886, registered	7,951 35	
			8,748 88
	Cr.		
Aug. 31.	By General Fund		8,748 88

INTEREST.

1886.	Dr.		
Aug. 31.	To Treasurer (loans to City)	1,455 62	
31.	To discount	13,625 69	
31.	To accounts payable, registered (interest on warrants, floating debt)	22,101 90	
			37,183 21
	Cr.		
Aug. 31.	By Treasurer (deposit General Fund)	2,432 61	
31.	By assessments (on tax collections)	6,355 42	
31.	By General Fund	28,395 18	
			37,183 21

OLD LIABILITIES.

1886.			
	Dr.		
Aug. 31.	To accounts payable, registered		$5,524 97
	Cr.		
Aug. 31.	By General Fund		5,524 97

FERRY PRIVILEGE.

1886.			
	Dr.		
Aug. 31.	To General Fund		1,000 00
	Cr.		
Aug. 31.	By Treasurer (from rents)		1,000 00

PORTLAND CEMETERY.

1886.			
	Dr.		
Aug. 31.	To General Fund		25 00
	Cr.		
Aug. 31.	By Treasurer (sale of lots)		25 00

CITY 85-CENT TAX.

1886.			
	Dr.		
Aug. 31.	To General Fund		466,216 08
	Cr.		
Aug. 31.	By Tax Receiver's collection as follows:		
	Assessment, 1882	$2,637 34	
	Assessment, 1883	2,695 24	
	Assessment, 1884	5,115 06	
	Assessment, 1885	48,224 75	
	Assessment, 1886	407,543 69	
			466,216 08

HEAD TAX.

1886.			
	Dr.		
Aug. 31.	To General Fund		13,049 00
	Cr.		
Aug. 31.	By Assessment, 1882	48 00	
	Assessment, 1883	53 00	
	Assessment, 1884	60 00	
	Assessment, 1885	1,412 00	
	Assessment, 1886	11,476 00	
			13,049 00

DISCOUNT.

1886.			
	Dr.		
Aug. 31.	To General Fund		26,820 91
	Cr.		
Aug. 31.	By House of Refuge	570 16	
31.	By City Schools	3,689 72	
31.	By Sinking Fund	8,935 34	
31.	By City (interest account)	13,625 69	
			26,820 91

HOUSE OF REFUGE.

1886.	Dr.		
Aug. 31.	To balance	$11 52	
31.	Discount on tax collections, 1886	570 16	
			$581 68
1886.	Cr.		
April 30.	By Treasurer	570 16	
Aug. 31.	By balance	11 52	
			581 68

CITY SCHOOLS.

1886.	Dr.		
Aug. 31.	To balance	69 14	
31.	To discount (tax bills, 1886)	3,689 72	
			3,758 86
1886.	Cr.		
April 30.	By Treasurer	3,689 72	
Aug. 31.	By balance	69 14	
			3,758 86

SINKING FUND.

1886.	Dr.		
Mar. 31.	To discount (tax bills, 1886)	8,935 34	
Aug. 31.	To profit and loss	133,375 87	
			142,311 21
1885.	Cr.		
Aug. 31.	By balance	128,660 30	
1886.			
Aug. 31.	By warrants, old	4,715 57	
31.	Balance	8,935 34	
			142,311 21

REAL ESTATE RIGHT OF WAY, EASTERN DISTRICT.

1885.	Dr.	
Nov. 30.	To accounts payable, registered	3,500 00
1886.	Cr.	
Aug. 31.	By General Fund	3,500 00

PRIVATE DRAINS.

1886.	Dr.		
Aug. 31.	To accounts payable, registered	5,159 29	
31.	To balance	194 57	
			5,353 86
1885.	Cr.		
Sept. 1.	By balance	125 62	
1886.			
Aug. 31.	By Treasurer	5,228 24	
			5,353 86

GENERAL FUND.

1886.		Dr.		
Aug. 31.	To Assessor's Department	$10,965 16		
31.	To City Officers	20,340 78		
31.	To Engineer's Department	11,859 24		
31.	To Fire Department	126,130 60		
31.	To Police Department	117,602 70		
31.	To City Hall expenses	7,424 32		
31.	To City Court expenses	6,370 16		
31.	To County Institutions	21,709 64		
31.	To contingent expenses	3,837 43		
31.	To incidental expenses	13,120 56		
31.	To printing and stationery	8,117 94		
31.	To pumps, wells, and cisterns	10,180 02		
31.	To sanitary expenses	1,620 00		
31.	To Alms House	15,521 28		
31.	To City Hospital	25,547 76		
31.	To Eruptive Hospital	1,990 54		
31.	To Work House expenses	7,328 08		
31.	To interest	28,395 18		
31.	To Commissions Collecting Revenue	8,748 88		
31.	To real estate right of way, E. D	3,500 00		
31.	To public lights	7,882 79		
31.	To old liabilities	5,524 97		
31.	To refunded taxes	842 43		
31.	To electric lights	960 00		
				$465,520 47
		Cr.		
Aug. 31.	By ferry privilege	1,000 00		
31.	By Portland Cemetery	25 00		
31.	By discount	26,820 91		
31.	By head tax	13,049 00		
31.	By city tax	466,216 08		
				507,110 99
Aug. 31.	Profit and loss (General Fund)			41,166 38

SEWERS, EASTERN DISTRICT.

1885.		Dr.		
Sept. 1.	To balance	207,428 00		
1886.				
Aug. 31.	To accounts payable, registered as follows:			
31.	Building sewers, bond fund	12,269 77		
31.	Cleaning and repairing sewers	6,480 72		
				226,178 49
		Cr.		
Aug. 31.	By assessment, 1882 (collections)	58 79		
31.	By assessment, 1883 (collections)	20 17		
31.	By assessment, 1884 (collections)	28 16		
	Carried forward	$107 12		

1886.	*Brought forward*	$107 12	
Aug. 31.	By assessment, 1885 (collections) . . .	519 53	
31.	By assessment, 1886 (collections) . . .	5,157 96	
31.	By profit and loss (bond fund) . . .	215,297 65	
31.	By balance	5,096 23	
			$226,178 49

SEWERS, WESTERN DISTRICT.

1885.	**Dr.**		
Sept. 1.	To balance	98,878 03	
Aug. 31.	To accounts payable, registered:		
	Cleaning and repairing sewers . . .	5,627 41	
31.	To Treasurer, paid for work making catch-basin, C., O. & S. W. R. R.	55 10	
			104,560 54
1886.	**Cr.**		
Aug. 31.	By assessment, 1882 (collections) . .	35 09	
31.	By assessment, 1883 (collections) . .	10 72	
31.	By assessment, 1884 (collections) . .	32 33	
31.	By assessment, 1885 (collections) . .	519 60	
31.	By assessment, 1886 (collections) . .	5,157 98	
31.	By profit and loss (bond fund) . . .	93,772 87	
31.	By Treasurer, received from C., O. & S. W. R. R.	149 36	
31.	By balance	4,882 59	
			104,560 54

STREET REPAIRS, EASTERN DISTRICT.

1885.	**Dr.**		
Sept. 1.	To balance	59,909 21	
1886.			
Aug. 31.	To accounts payable, registered 1886 .	32,001 18	
			91,910 39
1886.	**Cr.**		
Aug. 31.	By assessment 1882 (collections) . . .	310 30	
31.	By assessment 1885 (collections) . . .	4,026 43	
31.	By assessment 1886 (collections) . . .	30,947 85	
31.	By Treasurer	61 50	
31.	By profit and loss (bond fund) . . .	51,222 47	
31.	By balance	5,341 84	
			91,910 39

STREET REPAIRS, WESTERN DISTRICT.

1885.	**Dr.**		
Sept. 1.	To balance	52,532 13	
1886.			
Aug. 31.	To accounts payable, registered 1886 .	41,247 31	
31.	To balance	2,297 78	
			96,077 22

1886.	Cr.		
Aug. 31.	By assessment 1882 (collections) . . .	$184 93	
31.	By assessment 1885 (collections) . . .	4,026 48	
31.	By assessment 1886 (collections) . . .	39,974 32	
31.	By Treasurer	118 04	
31.	By profit and loss (bond fund) . . .	51,773 45	
			$96,077 22

STREET RECONSTRUCTION, EASTERN DISTRICT.

1885.	Dr.		
Sept. 1.	To balance	493,669 62	
1886.			
Aug. 31.	To accounts payable registered (bond fund)	1,275 00	
31.	To accounts payable, registered 1886 .	32,509 33	
31.	To balance	22,831 24	
			550,285 19

	Cr.		
Aug. 31.	By assessment 1882 (collections) . . .	333 56	
31.	By assessment 1885 (collections) . . .	3,636 78	
31.	By assessment 1886 (collections) . . .	20,765 73	
31.	By profit and loss	525,549 12	
			550,285 19

STREET RECONSTRUCTION, WESTERN DISTRICT.

1885.	Dr.		
Sept. 1.	To balance	410,968 09	
1886.			
Aug. 31.	To accounts payable 1884, registered .	169 14	
31.	To accounts payable (bond fund) registered	32,980 95	
31.	To accounts payable 1886, registered .	41,733 58	
31.	To balance	22,520 48	
			508,372 24

	Cr.		
Aug. 31.	By assessment 1882 (collected) . . .	218 08	
31.	By assessment 1885 (collected) . . .	3,636 86	
31.	By assessment 1886 (collected) . . .	25,655 95	
31.	By profit and loss	478,861 35	
			508,372 24

FOOTWAY CROSSINGS, EASTERN DISTRICT.

1885.	Dr.		
Sept. 1.	To balance	51 39	
1886.			
Aug. 31.	To accounts payable 1886, registered .	57 68	
31.	To balance	684 91	
			793 98

1886.		Cr.		
Aug. 31.	By assessment 1882 (collected) . . .		$19 40	
31.	By assessment 1885 (collected) . . .		129 83	
31.	By assessment 1886 (collected) . . .		644 75	
				$793 98

FOOTWAY CROSSINGS, WESTERN DISTRICT.

1885.		Dr.		
Sept. 1.	To balance		1,383 12	
1886.				
Aug. 31.	To accounts payable 1886, registered .		75 04	
				1,458 16
		Cr.		
Aug. 31.	By assessment 1882 (collected) . . .		11 57	
31.	By assessment 1885 (collected) . . .		129 94	
31.	By assessment 1886 (collected) . . .		644 78	
31.	By balance		671 87	
				1,458 16

STREET CLEANING, EASTERN DISTRICT.

1885.		Dr.		
Sept. 1.	To balance		16,203 15	
1886.				
Aug. 31.	To accounts payable 1886, registered .		22,569 63	
				38,772 78
		Cr.		
Aug. 31.	By assessment 1882 (collected) . . .		193 94	
31.	By assessment 1883 (collected) . . .		161 06	
31.	By assessment 1884 (collected) . . .		225 30	
31.	By assessment 1885 (collected) . . .		3,117 32	
31.	By assessment 1886 (collected) . . .		20,631 91	
31.	By Treasurer (sale of dirt)		448 70	
31.	By Treasurer (sale of sweeper) . . .		1,500 00	
31.	By balance		12,494 55	
				38,772 78

STREET CLEANING, WESTERN DISTRICT.

1885.		Dr.		
Sept. 1.	To balance		20,227 63	
1886.				
Aug. 31.	To accounts payable 1886, registered .		30,822 77	
				51,050 40
		Cr.		
Aug. 31.	By assessment 1882 (collected) . . .		115 57	
31.	By assessment 1883 (collected) . . .		85 35	
31.	By assessment 1884 (collected) . . .		258 52	
31.	By assessment 1885 (collected) . . .		4,156 37	
31.	By assessment 1886 (collected) . . .		25,789 87	
31.	By Treasurer (sale of dirt) . .		73 10	
31.	By balance		20,571 62	
				51,050 40

RICHMOND RAILROAD FUND.

1886.	Dr.		
Aug. 31.	To Treasurer, amount refunded taxpayers during the year	$53 20	
31.	To balance	4,140 60	
			$4,193 80
	Cr.		
Aug. 31.	By balance		4,193 80

MUNICIPAL IMPROVEMENT BONDS, 1883.

1885.	Dr.		
Sept. 1.	To balance		19,504 08
1886.	Cr.		
Feb. 28.	By General Fund, 1884	424 14	
Mar. 31.	By profit and loss	19,079 94	
			19,504 08

BILLS PAYABLE.

1886.	Dr.		
Feb 1.	To Treasurer (borrowed)	50,000 00	
1.	To Treasurer (borrowed)	50,000 00	
11.	To Treasurer (borrowed)	25,000 00	
Aug. 31.	To balance	50,000 00	
			175,000 00
1885.	Cr.		
Sept. 1.	By balance	50,000 00	
Oct. 17.	By Treasurer (paid)	50,000 00	
17.	By Treasurer (paid)	50,000 00	
Dec. 10.	By Treasurer (paid)	25,000 00	
			175,000 00

CITY TREASURER'S CASH.

1885.	Dr.		
Sept. 1.	To balance	38,154 60	
Sept. 30.	To sundries (received)	3,718 01	
Oct. 31.	To sundries (received)	125,802 64	
Nov. 30.	To sundries (received)	18,911 74	
Dec. 31.	To sundries (received)	32,418 69	
1886.			
Jan. 31.	To sundries (received)	239,645 61	
Feb. 28.	To sundries (received)	192,618 32	
Mar. 31.	To sundries (received)	67,355 14	
April 30.	To sundries (received)	46,410 95	
May 31.	To sundries (received)	21,827 55	
June 30.	To sundries (received)	29,380 60	
July 31.	To sundries (received)	28,081 23	
Aug. 31.	To sundries (received)	285,544 54	
			1,129,869 62

1885.	Cr.		
Sept. 30.	By sundries (paid out)	$40,124 70	
Oct. 31.	By sundries (paid out)	78,358 45	
Nov. 30.	By sundries (paid out)	55,868 67	
Dec. 31.	By sundries (paid out)	37,154 72	
1886.			
Jan. 31.	By sundries (paid out)	88,050 08	
Feb. 28.	By sundries (paid out)	195,278 13	
Mar. 31.	By sundries (paid out)	34,397 08	
April 30.	By sundries (paid out)	53,461 84	
May 31.	By sundries (paid out)	53,321 57	
June 30.	By sundries (paid out)	47,349 65	
July 31.	By sundries (paid out)	55,866 12	
Aug. 31.	By sundries (paid out)	145,914 48	
31.	By balance	244,724 13	
			$1,129,869 62

WARRANTS, OLD.

1886.	Dr.		
Aug. 31.	To Sinking Fund for payments . . .	4,715 57	
31.	To balance	16,816 12	
			21,531 69
1885.	Cr.		
Sept. 1.	By balance	16,531 74	
1886.			
Aug. 31.	By accounts payable, registered . . .	4,999 95	
			21,531 69

WARRANTS, 1886.

1885.	Dr.		
Sept. 30.	To Treasurer, for payments	40,124 70	
Oct. 31.	To Treasurer, for payments	77,715 92	
Nov. 30.	To Treasurer, for payments	55,868 67	
Dec. 31.	To Treasurer, for payments	37,154 72	
1886.			
Jan. 31.	To Treasurer, for payments	88,050 08	
Feb. 28.	To Treasurer, for payments	69,462 28	
Mar. 31.	To Treasurer, for payments	34,397 08	
April 30.	To Treasurer, for payments	53,434 72	
May 31.	To Treasurer, for payments	53,321 57	
June 30.	To Treasurer, for payments	47,349 65	
July 31.	To Treasurer, for payments	55,808 58	
Aug. 31.	To Treasurer, for payments	145,893 60	
31.	To balance	230,068 13	
			988,649 70
1885.	Cr.		
Sept. 1.	By balance	276,846 41	
30.	By balance	51,769 04	
Oct. 31.	By balance	67,351 15	
Nov. 30.	By balance	61,744 04	
Dec. 31.	By balance	67,890 88	
	Carried forward	$525,601 52	

1886.	*Brought forward*	$525,601 52	
Jan. 31.	By balance	52,628 95	
Feb. 28.	By balance	80,461 39	
Mar. 31.	By balance	38,111 57	
April 30.	By balance	46,992 33	
May 31.	By balance	55,621 09	
June 30.	By balance	50,257 68	
July 31.	By balance	60,001 26	
Aug. 31.	By balance	78,973 91	
			$988,649 70

REAL ESTATE.

1885.	**Dr.**		
Sept. 1.	To balance	3,088,083 00	
Nov. 30.	Accounts payable, registered	7,500 00	
			3,095,583 00
1886.	**Cr.**		
April 30.	By Treasurer	3,363 60	
Aug. 31.	By balance	3,092,219 40	
			3,095,583 00

BONDS.

1885.	**Dr.**		
Sept. 9.	To profit and loss, bonds canceled . .	2,000 00	
Oct. 14.	To profit and loss, bonds canceled . .	1,000 00	
Dec. 9.	To profit and loss, bonds canceled . .	36,000 00	
Dec. 31.	To profit and loss, bonds canceled . .	19,000 00	
1886.			
Feb. 11.	To profit and loss, bonds canceled . .	7,000 00	
Mar. 9.	To profit and loss, bonds canceled . .	3,000 00	
April 13.	To profit and loss, bonds canceled . .	9,000 00	
May 12.	To profit and loss, bonds canceled . .	21,000 00	
July 14.	To profit and loss, bonds canceled . .	24,000 00	
Aug. 12.	To profit and loss, bonds canceled . .	10,000 00	
31.	To balance	9,442,000 00	
			9,574,000 00
	Cr.		
Sept. 1.	By balance	9,074,000 00	
1886.			
Aug. 28.	By Old Liability Municipal Improvement bonds issued 1886	500,000 00	
			9,574,000 00

BONDS LOANED.

1886.	**Cr.**	
Aug. 31.	By balance outstanding	1,508,000 00

STOCK LOUISVILLE WATER COMPANY.

1886.	**Dr.**	
Aug. 31.	To shares 14, 17, 46, city's purchase	463 05

INTEREST AND DIVIDEND FUND IN GAS CO., IN TRUST—INVESTED.

1885.	**Dr.**		
Sept. 1.	To balance	$89,947 08	
1886.			
June 30.	To profit and loss	9,415 84	
			$99,362 92
1886.	**Cr.**		
June 30.	By Louisville Gas Company	362 92	
Aug. 31.	By balance	99,000 00	
			99,362 92

STOCK IN LOUISVILLE GAS COMPANY.

1886.	**Dr.**		
Aug. 31.	To 12,807 shares held by the City, of the par value of $50 per share	640,350 00	
	To 3,156 shares held by the Gas Company in trust for the City	157,800 00	
	Ninety-nine bonds of $1,000 each held by the Gas Company in trust for the City	99,000 00	
			897,150 00

COLLATERAL STOCKS AND MORTGAGES.

1886.	**Dr.**	
Aug. 31.	To balance	433,000 00

COMMISSIONERS SINKING FUND.

1886.	**Dr.**	
Aug. 31.	To balance	4,255,625 92

STOCK SHELBY BRANCH RAILROAD.

1886.	**Dr.**	
Aug. 31.	To balance	90,000 00

FIRE DEPARTMENT PROPERTY.

1886.	**Dr.**	
Aug. 31.	To balance	100,164 67

FLEGE FUND.

1886.	**Dr.**		
Sept. 1.	To balance		528 09
1885.	**Cr.**		
Sept. 1.	By balance	510 47	
1886.			
Aug. 31.	By Treasurer	17 62	
			528 09

PROFIT AND LOSS.

1885.	Dr.		
Sept. 1.	To balance	$882,572 58	
1886.			
Mar. 31.	To Municipal Improvement Bond Fund	19,079 94	
Aug. 31.	To sundries	1,546,611 15	
			$2,448,263 67
1886.	Cr.		
Aug. 31.	By bonds canceled	132,000 00	
	By Interest and Dividend Fund Gas Company	9,415 84	
	By stock Gas Company in trust	157,800 00	
	By Sinking Fund	133,375 87	
	By General Fund	41,166 38	
	By balance	1,974,505 58	
			2,448,263 67

SINKING FUND.

1886.	Dr.		
Mar. 31.	To discount	8,935 24	
Aug. 31.	To profit and loss	133,375 87	
			142,311 21
1885.	Cr.		
Sept. 1.	By balance	128,660 30	
1886.			
Aug. 31.	By warrants, old	4,715 57	
	By balance	8,935 34	
			142,311 21

WESTERN OUTFALL SEWER.

1885.	Dr.		
Sept. 1.	To balance	88,027 09	
30.	To accounts payable, registered	121 45	
			88,148 54
1886.	Cr.		
Aug. 31.	By profit and loss		88,148 54

RESTORATION CUT-OFF EMBANKMENT.

1885.	Dr.		
Sept. 1.	To balance		41,985 70
1886.	Cr.		
Aug. 31.	By profit and loss		41,985 70

OLD ASSESSMENTS, 1876 TO 1881 INCLUSIVE.

1886.	Dr.		
Aug. 31.	To collections by Tax-Receiver Kohnhorst, and payments as follows:		
	Account House of Refuge	214 78	
	Account city schools	2,413 12	
	Account Sinking Fund	16,408 98	
	Account errors and credits	22,206 22	
	To balance	388,684 51	
			429,927 61

1885.	Cr.		
Sept. 1.	By balance	$429,490 20	
1886.			
Aug. 31.	By additional bills	8 44	
	By interest collected	428 97	
			$429,927 61

ASSESSMENT, 1882.

1886.	Dr.		
April 30.	To collections by Tax-Receiver, viz:		
	Account House of Refuge	92 21	
	Account city schools	985 94	
	Account Sinking Fund	2,225 42	
	Account city taxes	4,356 87	
	Account errors and credits	889 85	
	Account transferred assessments . .	127,311 14	
			135,862 13
1885.	Cr.		
Sept. 1.	By balance	135,669 48	
1886.			
April 30.	Additional bills	2 35	
30.	Interest collected	190 30	
			135,862 13

ASSESSMENT, 1883.

1886.	Dr.		
April 30.	To collections by Tax Receiver as follows:		
30.	Account House of Refuge	123 51	
30.	Account city schools	1,704 47	
30.	Account Sinking Fund	3,323 19	
30.	Account city taxes	3,213 05	
30.	Account errors and credits	870 79	
30.	Transferred assessments	129,734 94	
			138,969 95
1885.	Cr.		
Sept. 1.	By balance	138,780 34	
1886.			
April 30.	By additional bills	2 10	
30.	By interest collected	187 51	
			138,969 95

ASSESSMENT, 1884.

1886.	Dr.		
April 30.	To collections by Receiver as follows:		
30.	Account House of Refuge	374 60	
30.	Account city schools	2,475 20	
30.	Account Sinking Fund	5,537 67	
30.	Account city taxes	6,128 70	
30.	Account errors and credits	2,877 99	
30.	Transferred assessments	87,258 59	
			104,652 75

1885.	**Cr.**		
Sept. 1.	By balance	$102,526 82	
1886.			
April 30.	By additional bills	1,716 60	
30.	By interest collected	409 33	
			$104,652 75

TRANSFERRED ASSESSMENTS.

[Assessments 1882, 1883, and 1884, turned over to Sinking Fund (City's interest) by ordinance and by act of the Legislature, collections to be applied to payment of Municipal Improvement Bonds issued in 1886.]

1886.	**Dr.**		
Aug. 31.	To collections by Tax Receiver as follows:		
31.	Account House of Refuge	$485 07	
31.	Account city schools	3,232 53	
31.	Account Sinking Fund	20,586 29	
31.	Account errors and credits . . .	481 55	
31.	To balance	320,105 47	
			$344,890 91
	Cr.		
April 30.	By assessment 1882	127,311 14	
30.	By assessment 1883	129,734 94	
30.	By assessment 1884	87,258 59	
30.	By additional bills	8 81	
30.	By interest collected	577 43	
			344,890 91

ASSESSMENT, 1885.

1886.	**Dr.**		
Aug. 31.	To collections by Tax Receiver as follows:		
31.	Account House of Refuge	2,597 74	
31.	Account city schools	15,779 95	
31.	Account Sinking Fund	42,796 26	
31.	Account city taxes	72,454 28	
31.	Account errors and credits	8,404 87	
31.	To balance (uncollected)	150,666 04	
			292,699 14
1885.	**Cr.**		
Sept. 1.	By balance	264,493 26	
1886.			
Aug. 31.	By interest collected	2,696 49	
31.	By additional bills as per Assessor's reports	25,509 39	
			292,699 14

ASSESSMENT, 1886.

1886.	**Dr.**		
Aug. 31.	To collections by Tax Receiver as follows:		
31.	Account House of Refuge	25,789 87	
31.	Account city schools	164,837 98	
	Carried forward	$190,627 85	

1886.	*Brought forward*	$190,627 85	
Aug. 31.	Account Sinking Fund	402,104 88	
31.	Account city taxes	601,040 68	
31.	Account discount on tax bills . . .	26,820 91	
31.	Account errors and credits	5,588 94	
31.	To balance (uncollected)	217,229 42	
			$1,443,412 68

Cr.

Feb. 10.	By H. W. Kohnhorst, Receiver of City Taxes, for the bills of 1886, as per receipt	1,417,923 94	
10.	By individual head-tax	22,868 00	
Aug. 31.	By additional bills	34 22	
31.	By interest collected	2,586 52	
			1,443,412 68

H. W. KOHNHORST, COLLECTOR OLD ASSESSMENTS.

Dr.

1885.			
Sept. 1.	To balance	429,490 20	
1886.			
Aug. 31.	To additional bills	8 44	
31.	To interest collected	428 97	
			429,927 61

Cr.

Aug. 31.	By collections and payments as follows:		
31.	Amount paid treasurer House Refuge	214 78	
31.	Amount paid treasurer School Bond	2,413 12	
31.	Amount paid treasurer Sinking Fund	16,408 98	
31.	By errors and credits	22,206 22	
31.	By balance (uncollected)	388,684 51	
			429,927 61

H. W. KOHNHORST (ASSESSMENT 1882).

Dr.

1885.			
Sept. 1.	To balance	135,669 48	
1886.			
April 30.	To additional bills	2 35	
30.	To interest collected	190 30	
			135,862 13

Cr.

April 30.	By collections and payments as follows:		
30.	City Treasurer	4,356 87	
30.	House of Refuge	92 91	
30.	Treasurer city schools	985 94	
30.	Treasurer Sinking Fund	2,225 42	
30.	By errors and credits	889 85	
30.	By transferred assessments	127,311 14	
			135,862 13

H. W. KOHNHORST (ASSESSMENT 1883).

1885.	**Dr.**		
Sept. 1.	To balance	$138,780 34	
1886.			
April 30.	To additional bills	2 10	
30.	To interest collected	187 51	
			$138,969 95
	Cr.		
April 30.	By collections and payments as follows:		
30.	City Treasurer	3,213 05	
30.	Treasurer House of Refuge . . .	123 51	
30.	Treasurer School Board	1,704 47	
30.	Treasurer Sinking Fund	3,323 19	
30.	By errors and credits	870 79	
30.	By transferred assessments	129,734 94	
			138,969 95

H. W. KOHNHORST (ASSESSMENT 1884).

1885.	**Dr.**		
Sept. 1.	To balance	102,526 82	
1886.			
April 30.	To additional bills	1,716 60	
30.	To interest collected	409 33	
			104,652 75
	Cr.		
April 30.	By collections and payments as follows:		
30.	City Treasurer	6,128 70	
30.	Treasurer House of Refuge . . .	374 60	
30.	Treasurer School Board	2,475 20	
30.	Treasurer Sinking Fund	5,537 67	
30.	By errors and credits	2,877 99	
30.	By transferred assessments	87,258 59	
			104,652 75

H. W. KOHNHORST, RECEIVER (TRANSFERRED ASSESSMENTS 1882, 1883, AND 1884).

1886.	**Dr.**		
April 30.	To assessment 1882	127,311 14	
30.	To assessment 1883	129,734 94	
30.	To assessment 1884	87,258 59	
30.	To additional bills	8 81	
30.	To interest collected	577 43	
			344,890 91
	Cr.		
Aug. 31.	By collections and payments as follows:		
31.	Treasurer House of Refuge . . .	485 07	
31.	Treasurer School Board	3,232 53	
31.	Treasurer Sinking Fund	20,586 29	
31.	By errors and credits	481 55	
31.	By balance	320,105 47	
			344,890 91

H. W. KOHNHORST (ASSESSMENT 1885).

1885.	Dr.		
Sept. 1.	To balance	$264,493 26	
1886.			
Aug. 31.	To additional bills as per assessor's reports	25,509 39	
31.	To interest collected	2,696 49	
			$292,699 14
1886.	Cr.		
Aug. 31.	By collections and payments as follows:		
31.	Treasurer House of Refuge . . .	2,597 74	
31.	Treasurer city schools	15,779 95	
31.	Treasurer Sinking Fund	42,796 26	
31.	City Treasurer	72,454 28	
31.	By errors and credits	8,404 87	
31.	By balance (uncollected)	150,666 04	
			292,699 14

H. W. KOHNHORST (ASSESSMENT 1886).

1886.	Dr.		
Feb. 10.	To tax bills 1886, per receipt	1,417,923 94	
10.	To individual head tax bills	22,868 00	
Aug. 31.	To additional bills	34 22	
31.	To interest collected	2,586 52	
			1,443,412 68
	Cr.		
Aug. 31.	By collections and payments as follows:		
31.	Treasurer House of Refuge . . .	25,789 87	
31.	Treasurer School Board	164,837 98	
31.	Treasurer Sinking Fund	402,104 88	
31.	City Treasurer	601,040 68	
31.	By discount on tax bills	26,820 91	
31.	By errors and credits	5,588 94	
31.	By balance (uncollected)	217,229 42	
			1,443,412 68

ASSESSMENT.

SHOWING ASSESSMENTS FOR THE YEARS 1880 TO 1886, INCLUSIVE.

1880.	Eastern District.	Western District.	TOTAL.
Real Estate	$10,604,802 00	$16,544,313 00	$27,149,115 00
Improvements	10,215,450 00	12,830,100 00	23,045,550 00
Merchandise	3,269,200 00	4,481,100 00	7,750,300 00
Residuary	3,201,650 00	3,533,800 00	6,735,450 00
Personalty	720,925 00	808,100 00	1,529,025 00
Total	$28,012,027 00	$38,197,413 00	$66,209,440 00
1881.			
Real Estate	$11,415,737 00	$17,059,618 00	$28,475,355 00
Improvements	10,123,325 00	12,969,228 00	23,112,553 00
Merchandise	2,976,025 00	5,449,840 00	8,425,865 00
Residuary	3,225,035 00	3,901,295 00	7,126,330 00
Personalty	90,985 00	183,272 00	274,257 00
Unlicensed Personalty	481,830 00	857,580 00	1,339,410 00
Total	$28,332,937 00	$40,420,833 00	$68,753,770 00
1882.			
Real Estate	$11,420,588 00	$17,082,081 00	$28,502,669 00
Improvements	10,509,500 00	13,257,515 00	23,767,015 00
Unlicensed Personalty	633,570 00	677,515 00	1,311,065 00
Licensed Personalty	83,260 00	166,465 00	249,725 00
Residuary	2,973,100 00	4,193,800 00	7,166,900 00
Merchandise	2,697,050 00	5,838,700 00	8,535,750 00
Acre Lands	. . . . .	. . . . .	496,600 00
Total	$28,317,068 00	$41,216,056 00	$70,029,724 00
1883.			
Real Estate	$11,345,754 00	$17,500,983 00	$28,846,737 00
Improvements	10,880,725 00	13,345,115 00	24,225,840 00
Personalty	831,822 00	1,312,927 00	2,144,749 00
Residuary and Merchandise	4,116,383 00	6,288,961 00	10,405,344 00
Acre Lands	162,551 00	333,313 00	495,864 00
Total	$27,337,235 00	$38,781,299 00	$66,118,534 00
1884.			
Ground	$11,439,693 00	$17,554,163 00	$28,993,856 00
Improvements	11,150,150 00	13,103,584 00	24,253,734 00
Personalty	359,570 00	565,516 00	925,086 00
Residuary	1,281,905 00	2,845,674 00	4,127,579 00
Merchandise	1,745,915 00	3,395,236 00	5,141,151 00
Acre Lands	156,939 00	328,732 00	485,671 00
Total	$26,134,172 00	$37,792,905 00	$63,927,077 00

ASSESSMENTS.—Continued.

1885.	Eastern District.	Western District.	Total.
Land	$11,984,697 00	$18,597,022 00	$30,581,719 00
Improvements	12,288,576 00	14,110,565 00	26,399,141 00
Personal Property	518,845 00	857,922 00	1,376,767 00
Investments	1,315,364 00	2,566,878 00	3,882,242 00
Acre Lands	185,309 00	338,283 00	523,592 00
Total	$26,292,791 00	$36,470,670 00	$62,763,461 00
Head Tax	$6,584 00	$6,698 00	$13,282 00
Individual Head Tax			32,832 00
1886.			
Land	$11,949,247 00	$18,740,779 00	$30,690,026 00
Improvements	12,122,980 00	14,844,985 00	26,967,965 00
Personal Property	1,211,330 00	1,004,547 00	2,215,877 00
Investments	1,196,817 00	2,818,309 00	4,015,126 00
Acre Lands	189,214 00	327,307 00	516,521 00
Total	$26,669,588 00	$37,735,927 00	$64,405,515 00
Head Tax	$6,712 00	$6,924 00	$13,636 00
Individual Head Tax			22,868 00

LEVIES.

Amount levied upon assessment of 1880	$1,200,055 88
Amount levied upon assessment of 1881	1,259,839 11
Amount levied upon assessment of 1882	1,399,275 67
Amount levied upon assessment of 1883	1,251,303 20
Amount levied upon assessment of 1884	1,217,919 09
Amount levied upon assessment of 1885	1,486,985 45
Amount levied upon assessment of 1886	1,417,923 94

RATES OF TAXATION.

KIND OF TAX.	1880.	1881.	1882.	1883.	1884.	1885.	1886.
Head Tax	$2 00	$2 00	$2 00	$2 00	$2 00	$2 00	$2 00
City Tax	80	80	85	85	85	85	85
House of Refuge	02	02	03	04	06	05	05
Sewers, E. D	08	01	03	01	01	01	01
Sewers, W. D.	10	01	03	01	01	01	01
Street Cleaning, E. D	11	08	10	08	08	06	04
Street Cleaning, W. D	10	08	10	08	08	08	05
Street Repairs, E. D.	18	18	16	. . .	. . .	07¾	06
Street Repairs, W. D.	19	18	16	. . .	. . .	07¾	07¾
Street Reconstruction, E. D.	. . .	06	17	. . .	. . .	07	04
Street Reconstruction, W. D.	. . .	06	17	. . .	. . .	07	05
Foot-ways, E. D.	01	. . .	01	. . .	. . .	0¼	0⅛
Foot-ways, W. D.	01	. . .	01	. . .	. . .	0¼	0⅛
City Schools	25	30	30	30	30	30	30
Sinking Fund	40	40	40	40	40	40	40
E. & P. R. R., first issue	15	15	15	15	15	15	15
E. & P. R. R., second issue	10	10	10	10	10	10	10
L., N. A. & St. Louis Air Line	05	05	05	05	05	05	05
Bond Interest	. . .	. . .	. . .	12	10	12	06

GROSS RATE TAXATION IN EACH DISTRICT.

YEARS.	Eastern Dist.	Western Dist.	AVERAGE.
1880	$2 15	$2 17	$2 16
1881	2 15	2 15	2 15
1882	2 35	2 35	2 35
1883	2 10	2 10	2 10
1884	2 10	2 10	2 10
1885	2 48	2 48	2 48
1886	2 30	2 30	2 30

REAL ESTATE LIST.

SHOWING LOCATION AND VALUE OF CITY PROPERTY.

NAMES, ETC.	Size of Lot.	Specific Value.	Gross Value.
Charitable:			
Alms House Farm	197½ Acres	$170,458 19	
Hospital	Half Square	211,264 58	
Eruptive Hospital		51,406 86	
			$433,129 63
Educational:			
Male High School	210 x 204.0	50,000 00	
Female High School	114 x 200.4	140,000 00	
First Ward School	112 x 150.3	40,000 00	
Fulton Street School	53 x 210.1	6,000 00	
Second Ward School	120 x 204.3	39,000 00	
Germantown School	50 x 150.1	1,600 00	
Third Ward School	105 x 204.3	44,500 00	
Main Street School	87½ x 204.3	38,000 00	
Fourth Ward School	80 x 162.3	37,000 00	
Fifth Ward School	106 x 200.3	40,000 00	
Sixth Ward School	120 x 200.3	36,000 00	
Seventh Ward School	90 x 200.3	40,000 00	
Eighth Ward School	79½ x 130.4	57,000 00	
Ninth Ward School	132 x 160.3	42,000 00	
Tenth Ward School	90 x 168.3	39,000 00	
Eleventh Ward School	195 x 210.3	38,000 00	
California School	100 x 150.2	9,000 00	
Madison Street School	303 x 161.2	45,000 00	
Montgomery Street School	135 x 200.2	14,000 00	
Shippingsport School	100 x 200.1	4,000 00	
Portland School	210 x 190 2	16,000 00	
Med. University & Law School	420 x 480.0	127,816 70	
Central Colored School		32,000 00	
Tenth Ward Lot		5,000 00	
Colored Schools		49,375 00	
			990,291 70
Executive and Legislative:			
City Hall Lot & Improvements	200 x 100.0	500,000 00	
Court House Lot & Imp.	420 x 210.0	656,171 60	1,156,171 60
Forward			$2,579,592 93

REAL ESTATE LIST—Continued.

Names, Etc.	Size of Lot.	Specific Value.	Gross Value.
Brought forward	. . . . .	. . . . .	$2,579,592 93
Fire Department:			
Engine House No. 1	25 x 135.0	$8,000 00	
Engine House No. 2	25 x 195.0	15,000 00	
Engine House No. 3	45 x 100.0	8,000 00	
Engine House No. 4	37 x 195.0	8,700 00	
Engine House No. 5	25 x 100.0	12,500 00	
Engine House No. 6	30 x 195.0	6,150 00	
Engine House No. 7	30 x 179.0	11,158 00	
Engine House No. 8	30 x 180.0	11,158 00	
Engine House No. 9	30 x 200.0	11,158 00	
Engine House No. 10	47 x 150.0	13,660 00	
Engine House No. 11	. . . . .	12,000 00	
Engine House No. 12	. . . . .	15,000 00	
Engine House No. 13	. . . . .	15,000 00	
Hook and Ladder No. 1 . . .	26¼ x 100.0	10,000 00	
Hook and Ladder No. 2 . . .	44 x 80.0	5,000 00	
			162,484 00
Penal and Reformatory :			
House of Refuge, white and colored children (3 houses) .	71 Acres	195,000 00	
Jail Lot and Building	. . . . .	127,242 74	
Station House No. 1	28 x 60	2,000 00	
Station House No. 9	21 x 105.0	3,000 00	
Station House No. 3	30½ x 106.8	3,500 00	
Work House, Jefferson county	24 Acres	20,000 00	
			350,742 74
Total	. . . . .	. . . . .	$3,092,189 67

Annual Report of Chief Engineer

of the

Louisville Fire Department.

for the

Year Ending August 31, 1886.

Officers of the Louisville Fire Department.

EDWARD HUGHES, *Chief.*

B. F. BACHE, *First Assistant.* D. G. ADDIS, *Second Assistant.*

EMILE BOURLIER, *Secretary.*

REPORT OF CHIEF OF FIRE DEPARTMENT.

To the Hon. Mayor and the General Council of the City of Louisville:

GENTLEMEN: I herewith submit for your consideration the annual report of the Fire Department for the fiscal year closing August 31, 1886, the same being the twenty-ninth report since the organization of a paid department, and the seventh of my administration. Accompanying itemized statements will show the expenses and working of the department. The appropriation made by your honorable body for the running expenses of the Fire Department for the year just closed was $127,000.00. You will see from my expense statement that the amount expended has been $126,130.60, showing an unexpended balance in my favor of $869.40, within the appropriation. The number of fires has been larger than for any previous year, being three hundred and fifty-four, involving a loss of $357,221.75, with an insurance of $158,132.67, showing an excess of loss $169,144.83. A very disastrous fire which occurred on Main street early in the year 1886 will account for the larger portion of this loss reported. This fire involved both the loss of life and property, and in subduing it we had to contend with everything against us—inflammable material, obstructing ruins, and extremely cold weather. The Fire Alarm Telegraph has worked satisfactorily during the year, a few new boxes have been added, and some miles of new wire strung. The apparatus and stock of the department are all in good order and repair; with the exception of houses 2, 3, 4, and 8, the engine houses are in first-class condition. The houses specified are in need of some attention and fitting up. Some of the houses have been repaired during the year, but the work has all been done by members of the department, thus involving no expense to the city, except for material. I will again call your attention to what I think are necessary improvements and additions required to almost perfect the Fire Department. First, a small steam fire engine, to be located in the suburb known as Germantown. Second, a more plentiful supply of water, particularly in the outskirts of the city. Third, a Hook and Ladder Company each for the extreme south-western and north-eastern portion of the city, the one in the north-eastern portion to be situated in the neighborhood of the blind asylum. The

city already owns one extra Hook and Ladder Truck, and the establishment of the two companies would only require the purchase of one machine. I submit these suggestions to you without comment, as I am sure your judgment will at once see their advisability. Of the men of the department, I will say that I have always found them ready, willing, and capable.

Respectfully submitted,

EDWARD HUGHES,

Chief Engineer Fire Department and Supt. Fire Alarm Telegraph.

EXPENDITURES.

MONTHS.	Supplies.	Repairs to Houses, Engines, Trucks, Reels, Etc.	Feed.	Fuel.	Repair Shop.
September, 1885	$299 09	$571 80	$559 25	$97 25	$368 85
October	426 88	698 30	599 86	64 50	.....
November	290 16	567 10	788 68	103 95	36 85
December	517 58	1,076 09	472 15	160 55	106 52
January, 1886	321 31	1,506 35	545 89	223 99	21 24
February	114 76	1,546 66	511 54	96 49	40 49
March	161 11	917 80	577 76	294 69	.....
April	184 15	708 95	483 40	170 45	41 34
May	303 20	1,576 95	660 35	153 40	84 20
June	167 99	734 25	.....	110 75	121 80
July	882 83	1,173 42	995 16	145 50	54 52
August	449 65	1,480 35	477 68	398 90	160 51
Total	$4,118 71	$12,558 02	$6,671 72	$2,020 42	$1,036 32

EXPENDITURES.—Continued.

MONTHS.	Fire Alarm Telegraph.	Horses.	Horse Shoeing.	Light.	Hose.
September, 1885	$122 92	.....	$104 10	$71 25	$345 00
October	.....	$100 00	105 65	73 72	287 50
November	164 55	160 00	90 85	91 01	.....
December	46 49	.....	124 55	99 94	.....
January, 1886	67 50	.....	127 30	103 17	.....
February	24 75	.....	130 20	93 39	.....
March	32 25	.....	88 10	97 19	287 50
April	253 00	400 00	113 10	80 85	.....
May	.....	200 00	121 52	80 66	.....
June	137 48	545 00	38 00	66 89	345 00
July	52 20	325 00	176 10	87 48	635 00
August	56 85	.....	110 77	104 01	862 50
Total	$958 09	$1,730 00	$1,330 24	$1,049 56	$2,763 00

EXPENDITURES.—Continued.

MONTHS.	Medical Service to Stock.	Miscellaneous Expenses.	Sundry Bills paid by Voucher from City Book-keeper's account.	Salaries.	Total.
September, 1885	$25 00	$149 48	$206 82	$6,793 90	$9,714 71
October	25 00	114 49	67 75	6,924 12	9,487 77
November	25 00	187 21	100 53	7,114 70	9,720 59
December	25 00	94 25	67 50	7,329 45	10,120 17
January, 1886	.....	96 31	279 72	7,491 46	10,784 24
February	50 00	43 00	67 50	7,072 60	9,792 28
March	25 00	73 84	67 50	7,745 07	10,357 81
April	25 00	108 82	67 50	7,484 95	10,121 51
May	25 00	45 76	67 50	7,715 20	11,033 74
June	25 00	181 97	72 16	7,507 70	10,053 99
July	.....	135 37	68 85	7,693 95	12,425 58
August	50 00	495 12	180 42	7,691 45	12,518 21
Total	$300 00	$1,726 52	$1,313 45	$88,554 55	$126,130 60

TOTAL EXPENSE FOR FIRE DEPARTMENT FROM SEPTEMBER 1, 1885, to SEPTEMBER 1, 1886.

As shown by accompanying itemized statement	$126,130 60
Amount of Appropriation	$127,000 00
Less running expenses	126,130 60
Within Appropriation	$869 40

RECORD OF FIRES,

FOR THE MONTH OF

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
2	Still	F.	4.05	1	A. Wolf	Two-story brick	Incendiary
3	76	3.50	F.	2	W. C. Kelly, J. Diebold,	Axe factory and house.	Accident
3	76	4.10	F.	3	Jno. Dunlop, T. H. Merrett	Same, second alarm	Accident
3	126	C.	1.10	4	W. J. Tapp	Three-story brick	Accident
4	147	12.48	P.	5	J. Schwarzwalder & Son	Stave fct'ry, frame house	Accident
4	147	12.59	F.	6	John Henry	Second alarm	Accident
5	63	P.	10.27	7	Wm. Thurman	One-story frame	Accident
7	39	C.	5.19	8	Dufficy & Co.	Three-story brick	Accident
9	Still	10.20	F.	9	Mr. Halssind	Three-story brick	Coal oil
11	47	11.18	C.	10	Argus Paper Office	One-story brick	Accident
11	132	C.	6.30	11	Wm. Stone	Frame stable	Accident
16	147	1.25	P. P.	12	Louisville Spoke and Wheel	Factory and Lumber	Incendiary
18	421	C.	8.05	13	False Alarm—Box open but	no key in lock	
19	44	11.00	F.	14	J. B. Stratton	Two-story brick	Accident
22	178	11.15	C.	15	F. Fable & Sons	Two-story brick	Boil'r Expl'n
23	64	2.04	C.	16	J. P. Barth	Two-story frame	Accident
22	44	F.	9.02	17	Fred. Stella	Three-story brick	D. F.
25	23	C.	9.25	18	Mr. Johnson	Two-story brick	Chimney
25	Still	2.45	F.	19	Fred Sauer	Frame cottage	Accident
28	173	C.	12.50	20	Cornelius Briscoe	One-story frame	Accident
28	314	C.	8.28	21	Stafford Cooper Shop	One-story frame	Accident
					Total		

One False Alarm. Two Second Alarms. Three Silent Alarms.

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	14	C.	9.07	22	Hall & Eddy	One-story frame	Chimney
2	Still	C.	10.21	23	Kentucky National Bank	Four-story stone front	Accident
7	125	3.45	P.	24	F. Brenner	Frame shed	Accident
7	145	7.09	C.	25	Mary Donohan	One-story frame	D. F.
7	74	P.	6.29	26	Wm. Vornholt, Conrad, Smith & Co., Miss Mary B. Trent	Two-story frame; Tobacco in above build.; Two-story frame dwell'g	Incendiary
8	Still	8.50	F.	27	John Bunshine	Two-story brick	Accident
8	Still	9.20	F.	28	George Bissenbach	Two-story frame	D. F.
9	Still	10.50	F.	29	B. F. Sauerman	Two-story frame	Accident
12	34	2.55	P.	30	J. K. Lemon	Ash barrel	Accident
21	139	11.00	C.	31	False	False	False
23	462	9.35	C.	32	Krippenstapel	Three-story brick	Accident
25	Still	1.42	C.	33	Commercial Hotel	Three-story brick	Chimney
26	75	7.57	C.	34	Edward Myers	Two-story frame factory	Boil'r explo'n
26	21	C.	5.44	35	Mrs. Mary Davey	Two-story frame	Chimney
27	49	P.	10.47	36	Mrs. Collins	Two-story brick	Accident
27	326	9.31	P.	37	Tafel Brothers	Two-story brick	Accident
30	Still	F.	8.45	38	Jno. Enright	Three-story brick	Accident
31	47	9.08	C.	39	Sceffer & Smith	Three-story brick	D. F.
31	55	F.	4.42	40	Mr. Tichenor	Two-story frame	Chimney
					Total		

One False Alarm. Six Silent Alarms.

ALARMS, Etc.

SEPTEMBER, 1885.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Congress, between Sixth and Seventh					S.
Portland avenue and Twenty-second	$30,988 63	$22,250 00	$22,250 00	$8,738 63	W.
Second alarm	260 00	170 00	2,400 00	90 00	W.
Walnut and Nineteenth	848 08	848 08	24,500 00		B.
Eighth and Ninth, Zane and Churchill	6,000 00	4,000 00	5,000 00	2,000 00	W.
Same	3,267 29	1,000 00	1,000 00	2,267 29	W.
Chestnut and Sixteenth					B.
Fourth, between Main and Water	540 00	540 00	14,000 00		W.
Preston, between Market and Jefferson					S.
Fourth and Fifth, Market and Jefferson					W.
First and Brook, Market and Jefferson.	250 00	31 00	300 00	219 00	S.
County fire	19,808 87	16,800 00	16,800 00	3,008 87	S.
False					W.
Jefferson, between Floyd and Preston					B.
Maiden Lane, between Adams and Ohio					B.
Congress and Eighteenth	236 00	236 00	4,900 00		B.
Market, between Preston and Jackson	5 00				B.
Jefferson above Brook					S.
Point, near Cut-off	589 85	589 85	750 00		B.
Garden, between Green and Marshall	5 00				B.
Southall, near Spring					S.
	$62,798 72	$46,464 93	$91,900 00	$16,323 79	

OF OCTOBER, 1885.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Campbell, between Broadway and Jacob					S.
Main and Fifth					B.
Cawthorn and Eighteenth					S.
Dumesnil, between Eleventh and Twelfth	$150 00				S.
Nineteenth and Pirtle	300 00	$300 00	$500 00		W.
Nineteenth and Pirtle	8,000 00		8,200 00		W.
Nineteenth and Pirtle	75 00	75 00	1,500 00		W.
Walnut, between Jackson and Hancock					W.
Clay and Market					W.
Marshall, between Hancock and Clay					S.
Floyd and Caldwell					W.
False					S.
Third, between Market and Jefferson	13 00	13 00	5,000 00		W.
Market and Seventh					S.
Port. ave., bet. Eighteenth and Nineteenth					W.
Clay and Fulton					S.
Market and Ninth	200 00				W.
Third, between Market and Jefferson	25 00	25 00	3,000 00		W.
Seventh, between Grayson and Walnut					W.
Market, between Fourth and Fifth					B.
High ave., bet. Thirty-fourth & Thirty-fifth					W.
	$8,763 00	$413 00	$16,200 00		

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
3	Still	F.	8.40	41	J. Gottbreth	Two-story frame	D. F.
3	129	C.	9.28	42	False	False	False
4	Still	C.	6.25	43	Wm. Bealer	Two-story frame	Furnace
4	93	C.	9.54	44	J. Kleir	One-story frame	D. F.
7	82	3.00	C.	45	False	False	False
7	57	C.	10.38	46	L. Omer and Cora Collins	Three-story brick	Chimney
8	28	9.15	P.	47	Southern Soap Factory	Two-story brick	Spontaneous
8	421	C.	9.33	48	Wm. Brand	Two frame stables	Accidental.
9	Still	1.01	F.	49	Mrs. Hintzman	Three-story brick	Accidental.
9	462	6.45	C.	50	H. Muth	Three-story brick	Accidental.
9	75	11.03	C.	51	Pat Welsh	Two-story brick	D. F.
10	27	6.48	C.	52	Mrs. D. Esterlone	Three-story brick	D. F.
10	71	P.	8.41	53	S. Walker	Two-story brick	Accidental.
11	39	8.00	C.	54	F. W. Keisker	Three-story brick	Chimney
11	147	P.	9.00	55	Wm. Schuff & Co	Tannery	Accidental.
14	9	C.	4 57	56	Mr. Irvin	Two-story brick	D. F.
15	152	C.	6.47	57	Ed Denhardt	Three-story brick	D. F.
19	37	12.35	F.	58	Ben Fie	Bonfire	Bonfire
19	362	C.	2.14	59	City Hospital	Four-story brick	Stove
19	362	F.	2.22	60	Same, Second Alarm		Stove
19	27	C.	8.20	61	Isaac Long	Three-story brick	Accidental.
21	Still	F.	3.35	62	Jno. Riddling	Two-story brick	Accidental.
21	19	12.54	P.	63	Winefrede Coal Co	One-story brick	Accidental.
21	Still	5.	F.	64	Kentucky Wagon Works.	Brick	Spontaneous
23	29	C.	11.25	65	False	False	False
24	163	C.	8.38	66	Seatin & Pirtle	Brick stable	Accidental.
29	Still	8.43	F.	67	Sam Booker	Three-story brick	D. F.
30	71	C.	12.05	68	Mr. Martin	One-story frame	D. F.
					Total		

Three False Alarms. One Second Alarm. Six Silent Alarms.

ALARMS, Etc.—Continued.

OF NOVEMBER, 1885.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Green, between First and East					B.
False					S.
Jefferson, between First and Brook					B.
Southall and Spring					B.
False					B.
Ninth and Market	$254 00	$254 00	$750 00		B.
Main and Brook	30 00				S.
Mercer, between Walnut and Madison	850 00	300 00	300 00	$550 00	W.
Green and Sixth					S.
Second, between Market and Jefferson	407 50	407 50	6,200 00		S.
High, between Eighteenth and Nineteenth	3 00	3 00	500 00		B.
Main and Preston					B.
Walnut and Twelfth					B.
Main, between Fourth and Fifth					S.
Maple and Twelfth	2,393 86	2,393 86	67,000 00		W.
Clay, between Washington and Franklin					Kice
Market, between Eighth and Ninth					S.
Seventh and Market					S.
Chestnut and Preston	936 75	936 75	53,000 00		S.
Chestnut and Preston					S.
Market, between Floyd and Preston					B.
Hancock, between Market and Jefferson					W.
Fulton, between Preston and Jackson	150 00				S.
Baxter avenue and Green					B.
False					W.
Seventh, between York and Broadway					B.
First, between Market and Jefferson					S.
Walnut and Fourteenth					B.
	$5,025 11	$4,295 11	$127,750 00	$550 00	

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	64	1.25	C.	69	German Orphan Asylum	Three-story brick	Accident
1	49	C.	9.15	70	Miss Jennie Lamb	Two-story brick	Accident
2	34	C.	4.05	71	Jake Schrieck	One-story frame	Accident
4	86	6.08	P.	72	False	False	False
4	72	6.23	P.	73	Sayer	Two-story frame	Accident
5	47	5.28	C.	74	Morton & Griswold	Three-story frame	Accident
9	Still	4.15	F.	75	Mrs. Burns Mrs. McCheane	Three-story frame	Accident
9	251	P. P.	7.50	76	Avery & Sons	Three-story plow factory	Accident
9	251	F.	7.41	77	Same, Second Alarm	Three-story plow factory	Accident
9	251	F.	7.45	78	Same, Third Alarm	Three-story plow factory	Accident
10	75	C.	3.37	79	Meyer & Faust	Two-story frame	Accident
11	46	C.	12.24	80	T. Vinice	Two-story brick	D. F
12	38	10.50	C.	81	Liederkranz Hall	Three-story brick	Incendiary
12	72	C.	12.11	82	Mrs. Elrich	Two-story frame	D. F
12	348	C.	1.07	83	F. Scanlon	Frame cottage	D. F
12	46	C.	7.25	84	J. Keifer	Two-story brick stable	Unknown
12	183	P. P.	7.50	85	Ky. Lith. & Printing Co., stock Fred Heinig, stock Jno. Simms heirs	Three-story brick Three-story brick Three-story brick	Accident Accident Accident
15	471	3.17	C.	86	Wathen's Distillery	Three-story brick	Accident
15	471	3.35	C.	87	Second Alarm	Three-story brick	Accident
15	72	6.44	C.	88	Mr. Nehan	One-story frame	D. F
16	132	C.	4.23	89	D. C. Johnson's stock in Liederkranz Hall	Three-story stone front	Incendiary
16	86	C.	9.53	90	Kentucky Malting Co	Two-story brick	D. F
16	327	1.46	C.	91	False	False	False
17	169	C.	5.29	92	Mr. Taylor	Coal shed	Accident
17	23	P.	11.17	93	H. Frank	One-story frame	D. F
21	169	C.	12.47	94	H. Cline	Two-story brick	Accident
22	Still	6.30	F.	95	Mr. Mullane	Two-story frame	D. F
22	49	P.	7.07	96	Unknown	Two-story brick	Chimney
22	47	P.	9.46	97	Mrs. Geo. G. Fetter's Isaac Summer Ky. Cob Pipe Factory	Three-story brick build'g Stock of shoes Cob-pipe stock	Spontan'ous Spontan'ous Spontan'ous
25	54	3.39	C.	98	Mike Rogers Fidelity Trust Co Thos. Watts J. H. Montgomery Fred Schunight	Two-story frame dwelling Two-story brick and frame Restaurant stock Two-story brick Two-story brick	Accident Accident Accident Accident Accident
25	54	C.	12.56	99	Mike Rogers	Two-story frame	Accident
25	44	P.	8.25	100	Jno. Stetter	Three-story brick	Chimney
25	Still	P.	3.00	101	Mike Freiberger	Frame	Accident
24	Still	10.55	F.	102	Jake Mitchell	Two-story frame	Accident
25	Still	7.45	F.	103	W. C. Priest	Frame cottage	D. F
28	348	C.	12.30	104	Wm. Montgomery	Frame cottage	D. F
29	Still	10.45	F.	105	J. D. O'Leary	Two-story frame	Accident
30	82	C.	12.15	106	Mr. Ott	Two-story frame	Accident
					Total		

Two False Alarms. Two Second Alarms. One Third Alarm. Six Silent Alarms.

ALARMS, Etc.—Continued.

OF DECEMBER, 1885.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss Insurance	Operator on watch.
Jefferson, between Nineteenth and Twentieth	$145 15	$145 15	$12,780 00	. . . . .	Kice
Market, between Eighth and Ninth	. . . . .	. . . . .	. . . . .	. . . . .	K.
Preston, between Broadway and Caldwell .	10 00	10 00	1,100 00	. . . . .	B.
False	. . . .	. . . . .	. . . . .	. . . . .	B.
Seventeenth, bet. Magazine and Chestnut .	. . . . .	. . . . .	. . . . .	. . . . .	B.
Main and Market, Fourth and Fifth	no loss	. . . . .	. . . . .	. . . . .	W.
Jefferson near Eighth	265 00	265 00	4,600 00	. . . . .	S.
Main and Fifteenth	19,000 00	19,000 00	138,500 00	. . . .	S.
Main and Fifteenth					S.
Main and Fifteenth					S.
Portland ave., bet. Eighteenth & Nineteenth	. . . . .	. . . . .	. . . . .	. . . . .	S.
Second, between Breckinridge and Kentucky	30 00	. . . . .	. . . . .	. . . . .	S.
Market, between First and Second	no loss	. . . . .	. . . . .	. . . .	B.
Fourteenth & Fifteenth, Magazine & Chest.	. . . . .	. . . . .	. . . . .	. . . . .	B.
Twentieth and High	. . . . .	. . . . .	. . . . .	. . . . .	W.
Third and Breckinridge	181 35	181 35	700 00	. . . . .	S.
Seventh and Main	1,479 31	1,479 31	11,700 00	. . . .	S.
Seventh and Main	65 10	65 10	1,800 00	. . . .	
Seventh and Main	90 00	90 00	6,000 00	. . . .	
Twenty-sixth and Broadway	20,000 00	9,414 84	10,000 00	$10,585 16	S.
Twenty-sixth and Broadway					
Fourteenth and Madison	5 00	5 00	600 00	. . . . .	S.
Market, between First and Second	285 00	285 00	1,500 00	. . . . .	S.
Fourteenth and Delaware	39 00	39 00	10,000 00	. . . . .	B.
False	. . . . .	. . . . .	. . . . .	. . . . .	W.
Broadway and York, Sixth and Seventh . .	. . . . .	. . . . .	. . . . .	. . . . .	B.
Jefferson, between First and Brook . . .	. . . . .	. . . . .	. . . . .	. . . . .	W.
Sixth and Seventh, Broadway and Chestnut	5 00	5 00	500 00	. . . . .	W.
Portland ave., bet. Twenty-ninth & Thirtieth	. . . . .	. . . . .	. . . . .	. . . . .	B.
Congress, between Eighth and Ninth	. . . . .	. . . . .	. . . . .	. . . . .	B.
Market, between Fourth and Fifth	174 00	174 00	2,500 00	. . . .	B. P
Market, between Fourth and Fifth	15 00	15 00	2,500 00	. . . .	
Market, between Fourth and Fifth	250 25	250 25	2,700 00	. . . .	
No. 1,002 West Walnut	350 00	. . . . .	. . . . .	. . . .	
No. 1,004 West Walnut	786 00	650 00	1,000 00	136 00	
No. 1,004 West Walnut	1,405 00	750 00	1,100 00	655 00	B.
No. 1,006 West Walnut	203 00	203 00	3,000 00	. . . .	
No. 1,000 West Walnut	103 50	103 50	3,500 00	. . . .	
Same	. . . .	. . . . .	. . . . .	. . . . .	W.
Jefferson, between Floyd and Preston . . .	no loss	. . . . .	. . . . .	. . . . .	B.
Portland ave., bet. 21st and 22d	. . . . .	. . . . .	. . . . .	. . . . .	B.
Thirteenth and Maple	8 00	8 00	1,000 00	. . . . .	S.
Hancock and Lampton	. . . . .	. . . . .	. . . . .	. . . . .	S.
Portland ave., bet. 21st and 22d	4 00	4 00	800 00	. . . . .	W.
Thirteenth bet. Maple and Lexington . . .	. . . . .	. . . . .	. . . . .	. . . . .	S.
Rowan, between Fourteenth and Fifteenth .	. . . . .	. . . . .	. . . . .	. . . .	B.
. . . . .	$44,888 66	$33,132 50	$216,780 00	$11,376 16	

RECORD OF FIRES,

FOR THE MONTH

Date . .	Station .	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	Still	C.	6.40	107	W. Mathews & Co.	Two-story frame	D. F. . . .
1	24	C.	8.01	108	F. Kellmel	Two-story brick	Accident . .
1	94	C.	8.54	109	N. Jansen	One-story brick	D. F. . . .
2	157	C.	2.35	110	M. Willett	Two-story brick	Chimney . .
3	Still	6.45	F.	111	Turner's Hall	Two-story brick	Accident . .
3	Still	C.	3.55	112	J. Dean	Two-story brick	Accident . .
4	94	7.25	C.	113	Ky. Distilling Co.	Three-story brick distill'y	Accident . .
4	462	P.	11.19	114	Wm. Gay	Frame shed	Incendiary .
4	75	C.	12.00	115	Jno. Sullivan	One-story frame	Incendiary .
5	26	2.40	F.	116	Mrs. L. Osborn	Two-story brick	Accident . .
					Todd-Donigan Iron Co. .	Iron stock	
					Tapp, Leathers & Co. . .	Clothing stock	
					Mary D. Snivley	Four-story brick	
					Forwood & Co.	Cotton stock	
8	49	C.	4.50	117	Trabue, Balmforth & Co .	Five-story brick	House fell .
8	49	C.	4.54	118	Wright, Balmforth burned	to death	Second ala'm
					Mrs. Rebecca Rufer . .	Four-story brick . . .	
					J. Balmforth & Co. . . .	Commission stock . . .	
					John Hay	Four-story brick . . .	
					Bamberger, Bloom & Co.	Dry goods stock	
9	152	6.34	C.	119	Commercial Hotel	Five-story brick	Accident . .
9	254	11.40	C.	120	Crystal Springs Distillery	Brick distillery	Boiler Expl'n
11	129	C.	12.01	121	M. Etheridge	Two-story frame	Chimney . .
11	53	C.	3.29	122	Unknown	Two-story brick	Chimney . .
					Louis Weyd	Three-story brick	
					Dickinson Furniture Co.	Furniture stock	Accident . .
11	49	P.	5.34	123	Louis Weyd	Three-story brick	Second ala'm
11	49	F.	5.39	124	Wm. Roberts & Co. . . .	Grocery stock	
					Phil Swager's Estate . .	Four-story brick	
11	Still	F.	6.00	125	C. Watson	Two and a half story brick	Accident . .
13	25	2.01	C.	126	False	False	False . . .
13	Still	1.55	P.	127	Mr. Schweitzer	Ice house	Incendiary .
13	37	10.04	F.	128	G. W. Ronald	Two-story frame	D. F. . . . .
13	Still	11.25	F.	129	Richard James	Four-story brick	Accident . .
14	Still	F.	2.30	130	Second National Bank . .	Five-story stone front . .	Accident . .
14	9	C.	5.30	131	Eglehoff	Two-story brick	D. F. . . . .
14	Still	F.	5.35	132	Lewis	Two-story brick	Accident . .
13	Still	C.	9.00	133	Wm. Kendrick	Two-story brick	D. F. . . . .
16	46	C.	5.23	134	S. B. Toney	Two-story brick	D. F. . . . .
17	54	10.34	C.	135	Quinn's Chapel	Brick church	Heater . . .
22	49	3.47	P.	136	Trabue, Balmforth & Co. .	Ruins	Re-kindled .
22	62	C.	7.00	137	M. Harlin	Two-story frame	Accident . .
23	72	C.	2.39	138	A. Broaddus	Frame stable	Accident . .
24	76	F.	1.15	139	M. Kurran	Frame cottage	Accident . .
25	Still	C.	3 20	140	J. B. Reed & Co.	Four-story brick	Accident . .
25	Still	C.	6.30	141	W. Kendrick	Three-story brick	Accident . .
26	Still	10.45	F.	142	C. Selligman	Three-story brick	Accident . .
28	Still	5.00	F.	143	Ky. Iron Fence Works . .	One-story brick	Accident . .
29	82	10.01	C.	144	False	False	False . . .
31	215	11.25	C.	145	Unknown	Three-story brick	Accident . .
31	31	C.	8.47	146	B. Duke	Two-story brick	D. F. . . .
					Total	. . . . .	. . . . .

Two False Alarms. Two Second Alarms. Thirteen Silent Alarms.

ALARMS, Etc.—Continued.

OF JANUARY, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Congress, between Thirteenth and Fourteenth					W.
Madison, between Hancock and Jackson	$225 25	$225 25	$1,500 00		W.
Adams and Story Avenue					W.
Jefferson, between Wenzel and Garden					W.
Jefferson, between Preston and Jackson					B.
Eighth, between Market and Jefferson					S.
Head of Main street	40 00	40 00	3,000 00		W.
Second, between Walnut and Green	75 00				W.
Nineteenth and Portland avenue	7 00	7 00	200 00		W.
Preston and Gray	73 00	73 00	600 00		S.
817, 819, and 821 W. Main	3,500 00	3,500 00	71,000 00		
827 W. Main	2,250 00	2,250 00	45,000 00		
827 W. Main	2,500 00	2,500 00	12,000 00		
823 and 825 W. Main	1,500 00				
Main, between Eighth and Ninth					W.
Same					W.
823 and 825 W. Main	20,000 00		*20,000 00		
823 and 825 W. Main	99.500 00		*90,000 00		
821 W. Main	1,840 65	1,840 65	6,000 00		
823 and 825 W. Main	16,742 92		*20,000 00		
Market, between Seventh and Eighth	545 00	545 00	30,000 00		B.
First and Magnolia avenue					W.
Lytle and Seventeenth					B.
Fifth between Chestnut and Broadway					W.
838 and 840 W. Main	785 00	785 00	3,000 00		
838 and 840 W. Main	5,688 14	5,688 14	6,000 00		
842 and 844 W. Main	60 00	60 00	4,000 00		W.
842 and 844 W. Main	175 00	175 00	19,700 00		W.
834 and 836 W. Main	12 00	12 00	7,000 00		
First and College					S.
False					W.
County	1,418 18	1,418 18	1,500 00		W.
Jefferson, between Ninth and Tenth	80 00	80 00	1,500 00		S.
Fourth, between Market and Jefferson					S.
Main and Fifth	5 00	5 00	15,000 00		W.
Washington, between Clay and Shelby					W.
Market, between Preston and Jackson					W.
Fourth, between Chestnut and Broadway	15 00	15 00	5,000 00		B.
Third, between York and Breckinridge	27 00	27 00	5,000 00		W.
Walnut, between Eighth and Ninth	32 00	32 00	5,000 00		B.
Main, between Eighth and Ninth					W.
Twelfth, between Magazine and Chestnut					W.
Fourteenth & Fifteenth, Madison & Chestnut	40 00				W.
Portland ave., bet. 27th and 28th	116 54	116 54	2,000 00		S.
Main, between Fourth and Fifth					B.
Fourth, between Chestnut and Broadway					W.
Preston and Jefferson	66 30	66 30	5,800 00		B.
Main, between Floyd and Preston					S.
False					B.
Third, between Market and Jefferson					S.
Broadway, between Brook and First					W.
	$157,318 98	$19,461 06	$382,800 00		

*Insurance Company refused to pay.

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	91	11.51	C.	147	Elizabeth Kellar	Frame cottage	D. F.
3	52	5.20	C.	148	Varalli	Brick cottage	Chimney
3	44	F.	10.27	149	Mrs. Dr. Pyles	Frame cottage	Accident
5	245	12.38	C.	150	J. Broderick	Double two-story brick	D. F.
5	49	2.14	P.	151	Mrs. Mary Byrne Mrs. M. Waggoner Mrs. Susan Davis	Dressmaker stock Three-story brick Brick building	Accident Accident Accident
5	172	3.10	C.	152	J. Broderick	Double two-story brick	D. F.
9	425	C.	8.50	153	L. L. Parks	Two-story brick	D. F.
10	27	8.20	C.	154	Mr. Wilson	Two-story frame	D. F.
11	Still	C.	7.15	155	Gray	Three-story brick	D. F.
12	23	P.	4.40	156	Mrs. D. Esselman	Three-story brick	Coal oil
12	236	C.	5.30	157	T. W. Moran	Two-story frame	D. F.
14	28	C.	7.44	158	Wm. K. Israel J. V. Burghard	Millinery stock Two-story brick	Incendiary
17	Still	8.35	C.	159	J. Sharp	One-story brick	Accident
17	56	C.	11.40	160	Epstein	Two-story brick	Incendiary
20	54	C.	4.07	161	Middleton	Frame cottage	Accident
20	421	C.	11.15	162	J. Kelley	Ten-pin alley, frame	Incendiary
21	327	C.	6.56	163	Mrs. McMalone	Brick cottage	Coal Oil
21	Still	C.	8.30	164	Unknown	Two-story frame	D. F.
24	325	2.37	C.	165	Courier-Journal	Four-story brick	Accident
25	47	2.27	P. P.	166	J. McDonald	Three-story brick	Accident
25	126	10.47	C.	167	W. J. Tapp & Co.	Two-story brick	Accident
25	Still	F.	4.30	168	Jess Miller	Two-story frame	Accident
25	215	C.	7.45	169	C. German	Three-story brick	Accident
25	29	P.	8.47	170	Mike Ryan	Two-story frame	Accident
25	Still	F.	9.35	171	Buschmeyer Bros.	Two-story brick	Accident
26	45	10.38	C.	172	Bakrow	Three-story brick	D. F.
28	71	9.55	C.	173	J. M. Mehan	Frame cottage	D. F.
					Total		

Five Silent Alarms.

ALARMS, Etc.—Continued.

OF FEBRUARY, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Ohio, between Van Buren and R. R.					B.
Green, between Ninth and Tenth					W.
Preston and Jackson, Market and Jefferson	$13 77	$13 77	$500 00		W.
Washington, between Preston and Jackson					S.
Market, between Eighth and Ninth	40 55	40 55	500 00		
Same	4,485 00	4,485 00	4,700 00		B.
Same	344 00	344 00	2,500 00		
Washington, between Preston and Jackson	455 00	455 00	2,000 00		B.
Third and B	37 50	37 50	2,000 00		W.
Floyd and Washington	10 00	10 00	1,000 00		B.
Green and Eleventh					S.
Jefferson, between Brook and Floyd					B.
B, between Second and Third	65 00	65 00	500 00		B.
	2,059 85	2,059 85	4,000 00		
Market and Brook	15 00	15 00	1,500 00		B.
Preston, between Main and Market					B.
Chestnut and Ninth	5 00	5 00	3,000 00		B.
Walnut, between Ninth and Tenth					S.
Magazine and Twenty-eighth	1,927 10	800 00	800 00	1,127 10	B.
Delaware, between Eleventh and Twelfth	10 00	10 00	1,000 00		S.
Walnut and Grayson, Eighth and Ninth					S.
Green and Fourth					W.
No. 228 Fifth street					S.
Walnut and Nineteenth					B.
Grayson, between Twelfth and Thirteenth					W.
Third, between Main and Market					S.
Lafayette, between Preston and Floyd					S.
Grayson and Eighth					S.
Fourth, between Chestnut and Broadway	20 00	20 00	2,000 00		W.
Madison and Thirteenth					B.
	$9,032 77	$7,905 67	$24,900 00	$1,127 10	

RECORD OF FIRES,

FOR THE MONTH OF

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	431	7.20	C.	174	H. Grit	Two-story brick	Chimney
1	Still	10.10	F.	175	John Weston	Double brick cottage	D. F.
1	67	C.	9.11	176	J. Cavanaugh	Two-story brick	Gas-pipe
2	Still	4.06	F.	177	Mrs. Ligon	Two-story brick	Lamp
2	82	C.	3.57	178	Mrs. McPate	Two-story frame	D. F.
2	127	C.	11.20	179	Byrne & Speed	Coal elevator	Accident
3	74	9.42	C.	180	A. W. Wornall	Frame cottage	D. F.
3	153	11.05	F.	181	T. H. Browning	Two-story frame	D. F.
4	Still	6.45	F.	182	Mr. Elliott	One-story frame	D. F.
4	145	C.	7.41	183	Tim Connell	One-story frame	D. F.
4	Still	F.	11.20	184	H. Rademaker	Frame stable	Incendiary
5	167	5.15	C.	185	Geo. Charles	Frame cottage	Accident
6	58	7.07	C.	186	False	False	False
6	29	P.	1.35	187	Frank Doran	Two-story brick	Accident
6	6	C.	3.12	188	August Schultz	Two-story brick	Accident
7	43	8.39	C.	189	D. Rodman	Two-story brick	D. F.
8	46	1.02	P.	190	Mrs. Carter	Brick stable	Accident
8	Ph.	C.	6.09	191	Mr. Robinson	Two-story brick	D. F.
8	75	C.	6.25	192	Pat Burke	Two-story frame	Chimney
8	53	P.	11.15	193	Unknown	Coal shed	Accident
10	168	10.02	C.	194	Mrs. Ruth	Two-story brick	Accident
10	Still	C.	2.30	195	Jos. Burke	Two-story frame	D. F.
11	39	C.	12.05	196	Mr. Stokes	Three-story brick	Accident
11	35	C.	8.17	197	Mr. McPherson	One-story frame	Accident
13	135	C.	4.58	198	Jake Keshner	One-story brick	D. F.
14	Still	8.10	F.	199	Mr. C. Buren	One-story frame	D. F.
14	Still	10.30	F.	200	Jas. Brewer	Two-story brick	D. F.
15	29	10.40	C.	201	Jno. Heffernan	Two-story brick	D. F.
15	46	C.	2.12	202	Frank Hagan	Two-story brick	Chimney
15	Still	C.	3.50	203	Unknown	Two-story brick	Chimney
15	93	C.	4.40	204	Jno. Lehman	Frame cottage	Accident
15	67	C.	5.59	205	Mr. Eline	Two-story brick	D. F.
17	41	P. P.	6.44	206	J. T. Williams	Three-story brick	Accident
18	134	C.	4.50	207	B. Bukman	Frame stable	Accident
20	6	C.	10.15	208	Armstrong & Co	Three-story brick	Accident
21	17	P.	7.45	209	Beargrass Woolen Mills	Two-story brick	Accident
22	Still	C.	4.30	210	Nora Tillie	Two-story frame	D. F.
22	134	C.	5.03	211	Wm. Kaufman	Frame cottage	D. F.
23	54	7.56	C.	212	Widow T. Bowser	Two-story frame	D. F.
23	Still	F.	2.35	213	Mr. Ross	Two-story brick	D. F.
23	53	C.	3.58	214	Mr. McDonald	Two-story brick	Coal oil
23	79	C.	4.04	215	Mr. Watson	Two-story frame	Accident
24	Still	6.20	F.	216	Mr. O'Leary	One-story frame	Accident
25	Still	9.30	F.	217	Dr. Brandeis	Three-story brick	Accident
25	126	11.10	C.	218	J. Allan	Two-story brick	D. F.
					Total		

One False Alarm. Ten Silent Alarms.

ALARMS, Etc.—Continued.

MARCH, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Rowan, bet. Twenty-first and Twenty-second					B.
Franklin, between Shelby and Campbell					S.
Main and Twelfth					B.
Congress and Eighth	$17 50	$17 50	$1,000 00		S.
Pirtle and Fourteenth					B.
High, between Fourteenth and Fifteenth	5,845 51	5,845 51	12,250 00		W.
Rowan, between Nineteenth and Twentieth	80 00	80 00	400 00		B.
Jackson, between Market and Jefferson	30 00	30 00	1,200 00		B.
Thirteenth, between Broadway and Maple					B.
Dumesnil, between Eleventh and Twelfth					B.
Payne, between Pine and Cooper	125 00				B.
Lampton, between Clay and Hancock					W.
False					S.
Linden, between Floyd and East					W.
Ballard, between Campbell and Wenzel					W.
Chestnut and Third	no loss				W.
Breckinridge and Third					B.
Chestnut, between Eleventh and Twelfth					B.
Portland avenue and Nineteenth					W.
Fifth and Center, Walnut and Green	no loss				W.
Market, between Sixteenth and Seventeenth					W.
Bank, bet. Twenty-eighth and Twenty-ninth					K.
Main, between Fourth and Fifth	no loss				K.
First, between Chestnut and Gray					W.
Mary, between Logan and Pond					S.
Baxter and Hamilton avenues					S.
Congress, bet. Thirteenth and Fourteenth	5 00	5 00	100 00		S.
Floyd, between Linden and Green					B.
Fifth, between Breckinridge and Kentucky	7 50	7 50	1,500 00		W.
Brook, between Main and Market	no loss				W.
Southall, near Spring					W.
Twelfth, between Main and Market	no loss				S.
Third, between Main and Water	no loss				W.
Baxter avenue and Broadway	125 00				W.
Green, between Shelby and Campbell	50 00	50 00	15,800 00		W.
Garden, between Madison and Chestnut	18 80	18 80	20,200 00		S.
Green, between Seventh and Eighth	6 00	6 00	800 00		S.
Christie avenue and Overhill					S.
Bowser's alley and Walnut	25 00				W.
Twelfth, between Market and Jefferson					G.
Fifth, between Walnut and Green	no loss				G.
Chestnut, bet. Sixteenth and Seventeenth					G.
Sixth and Seventh, Walnut and Grayson					S.
Green, between Third and Fourth					W.
Chestnut and Nineteenth					W.
	$6,335 31	$6,060 31	$53,250 00		

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner and Occupant.	Description of Property.	Origin.
2	Still	11.00	C.	219	J. Waters	Two and a half-story br'k	D. F.
2	Still	C.	1.00	220	Ben Smith	Frame shed	Accident
3	325	P.	2.49	221	Anzeiger Office	Three-story brick	Stove-pipe
3	Still	F.	5.50	222	Hœffer & Son	Two-story brick	Chimney
4	Still	C.	6.30	223	Taffell & Son	Two-story brick	D. F.
7	82	C.	6.02	224	B. & O. R. R	Frame stable	Accident
7	Still	F.	9.40	225	Mrs. Krist	Frame stable	D. F.
10	93	10.43	C.	226	Mr. M. Schinkle	One-story frame	Accident
11	46	7.09	C.	227	C. C. McCraw	Two-story brick	D. F.
13	126	C.	12.31	228	Bagging Factory	Two-story brick	Accident
16	56	F.	12.44	229	False	False	False
16	31	C.	8.25	230	Jane Duvall	Brick cottage	Accident
17	235	C.	3.43	231	False	False	False
18	461	P.	P. 2.29	232	Mr. Hume	Frame stable	Incendiary
18	29	P.	P. 1.39	233	J. Schuese	Frame cottage	Accident
18	42	P.	9.09	234	Unknown	Unknown	Unknown
19	35	3.47	C.	235	Ben Ainslie	Two-story brick	Accident
19	Still	F.	4.00	236	Mrs. J. Pretby	One-story frame	D. F.
20	Still	7.35	F.	237	Steinberger	Two-story frame	D. F.
20	27	9.34	C.	238	Hendricks and Mrs. Maxey	Two-story brick	Accident
20	231	C.	4.10	239	Unknown	One-story frame	D. F.
20	31	C.	7.25	240	Mrs. Dewan	Two and a half-story br'k	D. F.
20	24	C.	7.34	241	False	False	False
21	9	C.	1.59	242	Mr. Matt Irvine	Two-story brick	Accident
22	5	3 50	P.	243	Wacker & Dearing / Meffert and Hoffheimer	Cigar stock / Three Two-story bricks	Unknown / Unknown
22	5	3.54	F.	244	J. Raible	Second alarm	Unknown
23	152	10.55	C.	245	Dow's Wire Works / F. Preyhoff	Wire stock / Three-story brick	Accident / Accident
23	Still	F.	4.06	246	Odd Fellows	Two-story frame	Accident
24	314	C.	12.01	247	Mr. Gillighan	Two-story brick	Accident
24	44	F.	4.44	248	Max Wolf	Two-story brick	Accident
25	4	F.	4.02	249	Mrs. S. Brun	Two-story frame	D. F.
27	426	C.	12.55	250	B. Attenberger	Frame cottage	Accident
30	42	7.57	P.	251	Mrs. Lang	Three-story brick	Chimney
30	39	11.08	F.	252	National Hotel	Five-story brick	Accident
					Total		

Three False Alarms. One Second Alarm. Eight Silent Alarms.

ALARMS, Etc.—Continued.

OF APRIL, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Seventh, between Grayson and Walnut					S.
Esquire, between Eleventh and Twelfth					W.
Green, between Third and Fourth	no loss				S.
Jefferson and Seventh	no loss				S.
Market, between Jackson and Hancock					S.
Main and Rowan, Fourteenth and Fifteenth	$25 00				B.
Laurel, between Preston and Jackson					W.
Southall near Spring					S.
Breckinridge and Second	50 00				S.
Walnut and Nineteenth	no loss				S.
False					W.
Second, between Broadway and Gray	36 50	$36 50	$5,200 00		S.
False					B.
Kentucky, between Clay and Shelby					S.
Lafayette, between Floyd and Preston					B.
Unknown					W.
Chestnut and Second	36 50	36 50	5,000 00		G.
Thirty-third, between Rudd and Missouri					S.
East, between Green and Walnut					B.
Preston, between Main and Market	40 00	40 00	2,000 00		S.
Maiden Lane, between Logan and Creek					S.
First, between Broadway and Gray	no loss				S.
False					S.
Clay, between Washington and Franklin					S.
Jefferson above Shelby	284 25	284 25	500 00		W.
Jefferson above Shelby					
Same, Second Alarm					W.
Market, between Seventh and Eighth	10 00	10 00	5,000 00		G.
Market, between Seventh and Eighth	30 00	30 00	10,000 00		
Jefferson and First					W.
Southall and Main					W.
Preston and Jefferson	6 00	6 00	1,000 00		S.
Washington, between Clay and Shelby	250 00				B.
Lampton near Vine					W.
Fourth, between Market and Jefferson	no loss				W.
Main and Fourth	20 00	20 00	10,000 00		W.
	$788 25	$463 25	$43,700 00		

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
3	Still	11.55	F.	253	Mrs. Smith	Two-story brick	D. F
3	46	C.	8.38	254	H. P. Speckman	Frame stable	Incendiary.
3	42	P.	9.01	255	Mrs. J. L. Smith	Three-story stone front.	Accident.
4	127	C.	5.13	256	Cooney Shanks	Two-story brick	Accident.
4	324	C.	7.27	257	Goddard & Co Common Sense FertlzgCo.	Three-story brick Two-story brick	Accident. Accident.
4	324	F.	7.35	258	Ky. Ins. for the Blind Vandiver & Hite Mr. Thomas Brown	Three-story brick Second alarm Same	Accident. Sec. alarm. Accident.
7	351	P.	9.40	259	Kentucky Stove Co	Brick foundry	Accident.
8	236	11.02	C.	260	Louisville Forge Works	Brick foundry	Accident.
10	29	3.47	P.	261	M. Ryan and L. Mitchell	Two-story brick	Accident.
14	75	3.01	P.	262	H. Miller and R. Buchanan	Three & two-story frame.	Incendiary.
16	346	C.	7.16	263	Eglehoff's Brick Yard	Shed	Accident.
18	341	C.	9.59	264	Ohio Falls Cooper'ge Wks	Two-story frame & brick.	Incendiary.
18	341	F.	10.04	265	Blakewell Same, Second Alarm	Two-story frame Second alarm	Incendiary. Sec. alarm.
19	312	C.	1.24	266	H. J Lewis	Planing mill	Accident.
21	Still	F.	5.30	267	D. Davis	Two-story brick	D. F
22	83	C.	5.25	268	Mr. Campbell	Two-story frame	Accident.
23	69	F.	9.22	269	False	False	False
23	Still	F.	6.30	270	Mr. Egenroth	Two-story brick	Accident.
26	149	3.28	C.	271	A. Clauber	Two-story frame	Accident.
26	143	. . .	11.11	272	False	False	False
27	462	11.09	C.	273	Bowles House	Three-story brick	Accident.
28	14	C.	8.48	274	Bonfire	Bonfire	Bonfire
					Total		

Two False Alarms. Two Second Alarms. Three Silent Alarms.

ALARMS, Etc.—Continued.

OF MAY, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Jefferson, between Clay and Hancock	. . . . .	. . . . .	. . . . .	. . . . .	W.
St Catherine and Oak, Second and Third	$750 00	$450 00	$450 00	$300 00	B.
Jefferson and Fourth	no loss	. . . . .	. . . . .	. . . . .	B.
High, between Thirteenth and Fourteenth	. . . . .	. . . . .	. . . . .	. . . . .	B.
Second, between Main and River	500 00	500 00	3,000 00	. . . .	
Second, between Main and River	1,628 05	1,628 05	4,650 00	. . . .	W.
Same	347 50	347 50	3,000 00	. . . .	W.
Same	556 85	556 85	1,500 00	. . . .	
Same	121 40	121 40	800 00	. . . .	
Delaware and Fourteenth	10 00	. . . . .	no claim	. . . . .	W.
B, between Sixth and Seventh	138 00	138 00	15,000 00	. . . . .	B.
Lafayette, between Floyd and Preston	38 35	38 35	1,500 00	. . . . .	W.
Duncan and Nineteenth	950 00	950 00	2,800 00	. . . . .	S.
Preston near Shipp	150 00	. . . . .	. . . . .	. . . . .	W.
Portland ave., bet. Thirtieth & Thirty-first	22,449 31	11,140 98	15,300 00	. . . .	B.
Portland ave., bet. Thirtieth & Thirty-first	62 50	62 50	1,000 00	. . . .	B.
Second alarm	. . . . .	. . . . .	. . . . .	. . . .	
Tenth, between Madison and Chestnut	no loss	. . . . .	. . . . .	. . . . .	B.
Fifteenth, between Green and Grayson	3 50	3 50	1,000 00	. . . . .	S.
23d and 24th, Main and Market	130 00	130 00	700 00	. . . . .	B.
False	. . . . .	. . . . .	. . . . .	. . . . .	S.
Preston and Jefferson	. . . . .	. . . . .	. . . . .	. . . . .	S.
C, between Third and Fourth	. . . . .	. . . . .	. . . . .	. . . . .	S.
False	. . . . .	. . . . .	. . . . .	. . . . .	S.
Market, between First and Second	24 00	24 00	2,500 00	. . . . .	W.
Wenzel and Jacob	. . . . .	. . . . .	. . . . .	. . . . .	W.
. . . . .	$26,788 06	$15,019 73	$49,600 00	$300 00	

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
4	47	12.24	P.	275	Holt, Dunlap & Co.	Four-story brick	Accident
5	312	C.	3.19	276	H. J. Lewis & Bro.	Two-story brick	Accident
					New Grand Theater		
					Bradley, Gilbert & Co.		
					Whallen Brothers		
					J. Wash Davis		
					Joe. Denunzio		
					M. Edelmuth		
7	42	3.50		277	Mrs. Rosa Duker	Three-story brick	Accident
7	42	3.55		278	Ky. School of Medicine	Second alarm	Accident
7	42	4.08		279	Geo. Brinkworth	Third alarm	Accident
					J. Camozzi		
					G. B. Wolf		
					Wm. Miller		
					Caperton Heirs		
					Chas. Levering		
9	75	C.	12.58	280	P. Flynn	Frame cottage	Incendiary
9	24	C.	8.48	281	Mart Gaines	Two-story brick	Accident
12	9	7.58	P.	282	Mrs. Gleason	Frame cottage	D. F.
12	451	C.	1.22	283	T. O'Neal	Two-story brick	D. F.
12	54	C.	5.28	284	Jno. Mills	Frame cottage	D. F.
16	Still	F.	10.05	285	Casper Winkler	Two-story brick	Accident
17	134	C.	1.45	286	Morton Hospital	Three-story brick	Accident
17	Still	F.	6.12	287	Jno. Lepping	Two-story frame	D. F.
18	168	C.	1.18	288	Lewis Jackweed, A. T. Gillman	One-story frame	D. F.
19	9	7.14	C.	289	Ed. Burke	One-story frame	D. F.
24	215	7.43	C.	290	A. A. Glass	Two-story frame	Accident
25	2	11.50	C.	291	H. Kleisendorf	One-story frame	Accident
26	72	C.	6.38	292	M. J. Doyle	One-story frame	Incendiary
26	32	C.	9.52	293	Aaron Stearn	Frame stable	Incendiary
28	57	6.30	C.	294	Rev. Hugh G. Brady, S. Schoninger	Three-story brick	Rats
30	8	C.	7.50	295	C. Eisenmann	Three-story brick	Accident
					Total		

One Second Alarm. One Third Alarm. Two Silent Alarms.

ALARMS, Etc.—Continued.

OF JUNE, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Main, between Seventh and Eighth	$8 40	$8 40	$20,500 00		W.
Tenth, between Walnut and Chestnut					S.
	60 80	60 80	40,000 00		
	9,543 46	4,500 00	4,500 00	$5,043 46	
	15,001 68	12,241 01	15,500 00	2,760 67	
	424 55	424 55	13,500 00		
	1,022 10	422 10	7,000 00	600 00	
Jefferson, between Third and Fourth	100 00	100 00	5,000 00		S.S.
Same	975 00	975 00	1,000 00		S.S.
Same	288 90	288 90	500 00		S.
	10 00	10 00	1,000 00		
	581 70	581 70	1,000 00		
	325 00	325 00	1,500 00		
	35 00	35 00	8,000 00		
Portland Avenue and Eighteenth					B.
Hancock, between Walnut and Madison					W.
Clay, between Franklin and Creek					St'rns
Fifth, between York and Breckinridge					G.
Ninth and Tenth, Walnut and Madison					G.
Preston, between Jacob and Caldwell					S.
Morton and Caroline					S.
Grayson and Eighth					S.
Market, between Sixteenth and Seventeenth	5 00 150 00	5 00	2,000 00		B.
Clay, between Franklin and Railroad					G.
Third, between Market and Jefferson					W.
Pocahontas, bet. Franklin and Washington	2 50	2 50	800 00		B.
Fifteenth, between Chestnut and Magazine					B.
Breckinridge, between First and Brook	170 00	170 00	250 00		B.
Market, between Tenth and Eleventh	65 00	65 00	2,000 00		S.
	1,502 50	1,502 50	5,500 09		
Main and Campbell	5 10	5 10	7,500 00		W.
	$30,276 69	$21,722 56	$137,050 00	$8,404 13	

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	358	10.55	C.	296	False	False	False
2	148	11.58	C.	297	L. Monheimer	Frame cottage	Accident
2	231	C.	3.04	298	Pearce Brown	Two-story brick	Accident
2	13	C.	5.26	299	Charles Sales	Two-story brick	Accident
2	32	C.	7.06	300	C. Rosenham	Coal shed	Incendiary
3	158	C.	10.37	301	False	False	False
4	Still	F.	1.05	302	H. Kornhorst	Frame stable	Fire Cracker
4	74	C.	2.30	303	Mrs. Thos. Griffith	Frame cottage	D. F.
4	168	P.	7.44	304	F. Montgomery	Two-story frame	Fire Cracker
5	84	8.00	C.	305	Alf. Stone	Frame stable	Fire Cracker
5	84	F.	8.15	306	Same	Second Alarm	Fire Cracker
5	129	C.	2.26	307	Matt Burns	Frame cottage	Fire Cracker
5	341	C.	3.01	308	Bamberger, Bloom & Co.	Brick cottage	D. F.
5	471	C.	3.52	309	Mrs. Chickerdance	Frame shed	Fire Cracker
6	413	C.	8.20	310	J. H. Stratton	Frame stable	Incendiary
7	Still	7.20	F.	311	Jos. Godfrey	Two-story frame	Accident
8	28	P.	12.35	312	Col. Wooley	Two-story frame stable	Incendiary
8	69	F.	1.16	313	Ben Mitchell	Two-story frame	Unknown
9	134	2.01	C.	314	Mike Bush	Brick cottage	Accident
9	44	3.00	F.	315	Schildt	Two-story brick stable	Incendiary
12	Still	F.	9.30	316	A. J. Drane	Three-story brick	D. F.
14	74	C.	9.25	317	Mrs. Lizzie Leiber Mr. Gottenkunst	Frame cottage	Accident
15	153	9.54	F.	318	M. Hanns	Two-story brick	Accident
16	Still	F.	5.20	319	Mrs. Donahue	Two-story brick	Accident
16	65	C.	6.21	320	Pat Finnegan	Cottage	Accident
18	461	C.	10.25	321	J. J. Huffman	Frame stable	Accident
19	435	C.	9.16	322	Fred Bauer	Frame shop and dwelling.	Locomotive
20	461	11.32	C.	323	H. J. Paller	Frame shed	Unknown
20	143	12.50	. . .	324	False	False	False
24	237	11.15	C.	325	G. X. Otto	Frame cottage	Accident
25	174	3.28	P. P.	326	Tom Morgan	Two-story frame	Unknown
25	84	C.	12.38	327	F. Dumeyer	Brick cottage	Accident
25	69	F.	3.20	328	E. J. Brewer	Two-story brick	D. F.
26	53	C.	3.05	329	Waverly Hotel	Three-story brick	Ash Barrel
29	54	C.	3.15	330	Tim Mehan	Two-story brick	Accident
30	83	C.	9.06	331	Mr. Herbert	Frame cottage	Accident
					Total		

Three False Alarms. One Second Alarm. Four Silent Alarms.

ALARMS, Etc. Continued.

OF JULY, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on Watch.
False					B.
Campbell and Geiger	$3 00				K.
Hamilton, between Logan and Creek					S.
Gray, between Hancock and Clay					S.
College, between First and Brook	85 00				W.
False					K.
Preston, between Jacob and Broadway					W.
Main, between Nineteenth and Twentieth	175 40	$175 40	$600 00		W.
Pirtle and Eighteenth					S.
Madison and Twenty-third	1,828 00	1,428 00	5,264 00	$400 00	W.
Second Alarm					W.
Beard, between Seventeenth and Eighteenth					S.
Portland avenue and Twenty-eighth	290 00	290 00	1,200 00		S.
Walnut, bet. Twenty-sixth and Twenty-seventh	9 00	9 00	2,500 00		S.
Main and Market, Brook and Floyd					W.
Green and First					S.
Brook and Floyd, Main and Market	150 00				W.
Jefferson, between Fourteenth and Fifteenth	50 00				S.
Baxter avenue and Caroline	60 65	60 65	150 00		W.
Floyd and Preston, Main and Market	271 50	271 50	800 00		W.
Second, between Market and Jefferson					W.
{	150 00	150 00	400 00	}	B.
{ Pirtle, between Nineteenth and Twentieth	150 00	150 00	800 00	}	
Market, Jackson and Hancock					S.
Second, between Green and Walnut					W.
Duncan, between Nineteenth and Twentieth					W.
Lampton, between Clay and Shelby					W.
County	1,150 00	606 35	3,500 00	543 65	S.
Laurel, between Clay and Shelby					W.
False					S.
Marshall, between Preston and Jackson					S.
Tenth and Dumesnil	210 00	210 00	900 00		S.
Madison, bet. Twenty-second & Twenty-third					G.
Jefferson, between Thirteenth and Fourteenth	15 00				W.
Walnut, between Sixth and Seventh					S.
Tenth, between Grayson and Walnut	10 00				S.
Market, bet. Twenty-second & Twenty-third					W.
	$4,607 55	$3,350 90	$16,114 00	$943 65	

RECORD OF FIRES,

FOR THE MONTH

Date.	Station.	Time. A. M.	Time. P. M.	No. of Alarm.	Owner or Occupant.	Description of Property.	Origin.
1	346	C.	11.42	332	Egelhoff & Co	Frame shed	Accident
2	2	2.16	C.	333	J. Butterwick	Frame shed	Accident
3	51	C.	12.10	334	Frank Lloyd	Frame cottage	Accident
4	154	P.	4.16	335	Dow & Co., F. Pragoff	Three-story brick	Accident
5	78	C.	4.59	336	Mrs. Stone	Frame shed	D. F.
5	36	C.	5.24	337	Mr. Tichenor	Two-story brick	D. F.
9	Still	F.	4.30	338	Mr. Justa	Two-story frame	Accident
10	72	9.01	C.	339	Tom Scally	Frame cottage	Accident
10	72	C.	12.53	340	Mr. Robt. Fletcher	Two-story brick	D. F.
15	Still	F.	2.00	341	Mr. Leight	Three-story brick	Lightning
15	Still	F.	3.00	342	No. 724	Frame cottage	D. F.
16	69	F.	5.09	343	Dr. Brandeis	Two-story frame	Accident
18	162	F.	2.18	344	Mr. Gray	Two-story brick	D. F.
19	Still	F.	1.20	345	J. F. Foley	Frame cottage	D. F.
19	16	C.	4.50	346	Mr. J. Murphy	Frame cottage	D. F.
24	214	C.	3.06	347	Mr. Jones	Frame shed	Accident
25	146	5.55	P.	348	H. D. Bowman Jas. McCurdy	Buggy and sleigh Frame stable	Accident Incendiary
25	345	7.20	C.	349	Mr. Hush	Dye house	Accident
25	167	C.	3.50	350	Emma Lucas	Frame shed	Accident
28	Still	C.	6.50	351	Mr. Schrœder	Frame stable	D. F.
29	Still	C.	11.30	352	J. Bullitt	Two-story brick	D. F.
31	143	C.	1.47	353	False	False	False
31	25	C.	9.12	354	Mrs. Wehmhoff	Two-story brick	Earthquake.
					Total		

One False Alarm. Six Silent Alarms.

ALARMS, Etc.—Continued.

OF AUGUST, 1886.

LOCATION.	Loss.	Insurance Loss.	Insurance	Loss over Insurance	Operator on watch.
Preston and Railroad Crossing	$250 00				S.
Cabel near Main					K.
Shippingport					G.
Market, between Seventh and Eighth	25 00				S.
Portland avenue and Thirty-second					B.
Chestnut, between Second and Third					B.
Congress and Fourteenth					W.
Chestnut, between Fifteenth and Sixteenth	20 00				W.
Chestnut, bet. Thirteenth and Fourteenth	51 50	$51 50	$1,500 00		S.
Eighth, between Chestnut and Madison					W.
Green, between Seventh and Eighth					W.
Market and Fourteenth	10 65	10 65	200 00		S.
Second, between Walnut and Green	3 50	3 50	2,000 00		W.
Payne, between Vine and Cooper	5 80	5 80	700 00		S.
Breckinridge, between Hancock and Clay	85 00				S.
Myrtle, between Sixth and Seventh					W.
St. Catherine, between Floyd and Preston	250 00				B.
Same	220 00	100 00	100 00	$120 00	B.
Jackson and Kentucky					B.
Lampton, between Hancock and Jackson					S.
Walnut and Green, Third and Fourth	5 00				S.
Market, between Eleventh and Twelfth					S.
False					S.
Chestnut, between Brook and Floyd					B.
	$926 45	$171 45	$4,500 00	$120 00	

SUMMARY STATEMENT

OF FIRES, LOSSES, AND INSURANCE, FROM AUGUST 31, 1885, TO SEPTEMBER 1, 1886.

Total number of fire alarms	354
Total number of second alarms	12
Total number of third alarms	3
Loss	$357,221 75
Insurance loss	158,132 67
Insurance	1,161,294 00
Excess of loss over insurance	$169,144 83

FIRE ALARM TELEGRAPH.

Directions to Key Holders.

Upon positive information of a fire near your signal-box, unlock the door and pull the hook down slowly *once, and then let go;* or push the button in once; then shut the box. Never open a box except in case of fire. Upon giving an alarm, close the box, and remain until the Chief, or one of his Assistants, arrives and releases your key. Be sure the box is locked before leaving it. Never let the key go out of your possession, unless to some responsible person for the purpose of giving an alarm, or when called for by the Superintendent. The number of the box signaling the fire will be struck upon the bells of all the engine houses. For example: To announce an alarm from signal-box No. 24, the bells will be struck *twice*, and after a pause of five seconds will be struck *four* times, thus: 2—4. The number of the box will be repeated at intervals of twenty seconds, until a sufficient alarm has been sounded.

Location of Stations.

2. Main and Cabel.
3. Newcomb-Buchanan Co. Distil'ry.
4. Engine House, Main street, bet. Shelby and Campbell.
5. Jefferson and Clay.
6. Jefferson and Campbell.
7. Underhill and Baxter avenue.
8. Main and Wenzel.
9. Franklin and Clay.
12. Walnut and Shelby.
13. Chestnut and Hancock.
14. Broadway and Shelby.
15. Broadway and Underhill.
16. Breckinridge and Shelby.
17. Madison and Wenzel.
18. Main and Hancock.
19. Fulton and Preston.
21. Fulton street, between Shelby and Campbell.
22. H. and L. House, Eighth, bet. Walnut and Grayson.
23. Jefferson and Brook.
24. Walnut and Jackson.
25. Chestnut and Floyd.
26. Engine House, Jacob street bet. Preston and Jackson.
27. Main and Preston.
28. Main and Brook.
29. Linden and Floyd.
31. Broadway and First.
32. College and Brook.
33. Engine House No. 11, Ward st., bet. Baxter ave. and Cooper.
34. Breckinridge and Preston.
35. Chestnut and First.
36. Walnut and Second.
37. Jefferson, bet. Sixth and Seventh.
38. Main and Second.
39. Main and Fourth.
41. Water and Third.
42. Jefferson and Fourth.
43. Chestnut and Fourth.
44. Engine House No. 1, Jefferson, bet. Preston and Jackson.

45. Broadway and Fifth.
46. Breckinridge and Third.
47. Market and Fifth.
48. Main and Sixth.
49. Main and Eighth.
51. Shippingport.
52. Green and Ninth.
53. Walnut and Sixth.
54. Walnut and Tenth.
55. Engine House No. 13, Portland.
56. Chestnut and Eighth.
57. Main and Tenth.
58. Broadway and Ninth.
59. Engine House, Sixth street, bet. York and Lexington.
61. Jefferson and Eleventh.
62. Magazine and Twelfth.
63. Walnut and Sixteenth.
64. Jefferson and Eighteenth.
65. Duncan and Twentieth.
66. Engine House No. 12, Twentieth and Madison.
67. Main and Twelfth.
68. Portland avenue and Fifteenth.
69. Engine House, Jefferson, bet. Thirteenth and Fourteenth.
71. Walnut and Thirteenth.
72. Chestnut and Fifteenth.
73. Engine House, Thirteenth st., bet. Broadway and Maple.
74. Main and Nineteenth.
75. Portland avenue and Bridge.
76. Johnson Engine House, Portland avenue.
78. Portland avenue and Fulton.
79. Magazine and Seventeenth.
81. Commercial and Water.
82. Main and Fifteenth.
83. Market and Sayre.
84. Madison and Twenty-second.
85. Maple and Eighteenth.
86. Kentucky and Sixteenth.
87. Churchill and Eighth.
91. Van Buren and Ohio.
92. Story ave. and Brownsboro pike.
93. Southall and Spring.
94. Beargrass Distillery.
95. Market and Johnson.
96. Fulton and Adams.
97. Franklin and Buchanan.
123. House of Refuge.
124. Kentucky and Tenth.
125. Gallagher and Eighteenth.
126. Walnut and Nineteenth.
127. Rowan and Thirteenth.
128. Oak and Fifth.
129. Bank and Seventeenth.
132. Market and First.
134. Baxter avenue and Broadway.
135. Mary and Logan.
136. Montgomery and Twenty-ninth.
137. Preston and College.
138. Twenty-sixth and St. Cecilia.
139. Mellwood Distillery.
142. Lexington and Eighth.
143. Ormsby avenue and Third.
145. Oak and Twelfth.
146. Preston and Kentucky.
147. Maple and Eleventh.
148. Campbell and Geiger.
149. Central Park.
152. Market, bet. Seventh and Eighth.
153. H. and L. House, Hancock st., bet. Market and Jefferson.
154. Spring and Payne.
156. Kentucky Blind Asylum.
157. Baxter avenue and Jefferson.
158. Jefferson and Twenty-second.
159. Fifteenth and Lytle.
162. Engine House, Green st., bet. First and Second.
163. St. Xavier Institute, Bank and Twenty-second.
164. Paper-mill, Washington & First.
165. Hall's Saw-mill, Fulton, between Campbell and Cabel.
167. Hancock and Lampton.
168. Seventeenth and Market.
169. Seventh and Broadway.
172. Preston and Washington.
173. Garden near Baxter avenue.
174. Ninth and Dumesnil.
175. Twenty-sixth and Rowan.
176. Story avenue and Pocahontas.
178. Maiden Lane, bet. Adams and Ohio (Fabel & Son's candle factory).
182. Maiden Lane and Ohio.

183. Main, bet. Sixth and Seventh.
213. High, between Fifteenth and Seventeenth.
214. Magnolia avenue and Seventh.
215. Market and Third.
216. Monroe and Tenth.
217. Ninth and Canal.
218. Preston and Fulton.
231. Logan and Hamilton avenue.
234. Story and Frankfort avenues.
235. Madison, bet. Shelby and Clay.
236. Oil Refinery, B and Fifth.
237. Green, bet. Preston and Jackson.
241. Floyd, bet. College and Breckinridge.
243. Jefferson, bet. Second and Third.
245. Jackson and Washington.
246. Fourth, bet. Green and Walnut.
251. Fifteenth, bet. Main and Rowan.
253. Walnut and Fourth.
254. Magnolia avenue and First.
256. Oak and Seventh.
261. High avenue and Thirty-ninth.
263. Clay and Fulton.
264. Phœnix Hill Brewery.
265. Walnut and Eighteenth.
271. Eighth, bet. York and Lexington.
273. Lexington and Eighteenth.
274. Chestnut and Garden.
281. Monroe and Tenth.
312. Tenth street, between Madison and Chestnut.
314. Southall, near Spring.
315. Newcomb-Buchanan Co. Distil'ry
316. Letterle Engine House.
317. Delaware and Eleventh.
318. Rudd avenue and Thirty-first.
321. Lexington, bet. Seventeenth and Eighteenth.
324. First and River.
325. Courier-Journal, Fourth and Green.
326. Third and Green.
327. Twelfth and Kentucky.
328. Twelfth and Magnolia.
341. Thirtieth and Portland avenue.
342. Main and Clay, Lithgow's foundry.
345. Jackson and Caldwell.
346. Preston and Shipp.
347. Clay and Caldwell.
348. Portland avenue and Twentieth.
351. Gallagher and Fifteenth.
352. Southern Exposition.
354. Fourth and St. Catherine.
356. Wenzel and Franklin.
357. Bank and Thirty-fifth.
358. Fifth and Green.
359. Barrett and Howard avenues.
361. Baxter avenue and Highland.
362. City Hospital.
412. Bamberger, Bloom & Co., Main, bet. Sixth and Seventh.
413. Galt House, First and Main.
415. Shelby and Goss avenue.
416. Linden, bet. East and Floyd (Cooke, Parkhill & Co. Woolen Mill).
417. Floyd and Oak.
421. Walnut and Twenty-sixth.
423. West and Chestnut.
425. Masonic Widows' and Orphans' Home.
426. Vine and Lampton.
431. Main and Twenty-first.
432. Preston, near railroad crossing.
435. Frankfort avenue and railroad crossing.
451. Ward and Fifth.
452. York and Ninth.
453. Clay, bet. Walnut and Madison.
461. Shelby and Roselane.
462. Jefferson and Second.
471. Chestnut and Twenty-fifth.
512. Norton Infirmary, Third and Oak.
513. Jefferson and Twentieth.
514. Fifteenth and Lexington.
521. Colored Blind Asylum.

ENGINE RUNS.

NUMBER AND LOCATION OF STATIONS.	FIRST ALARM.		SECOND ALARM.		THIRD ALARM.
	Engines.	H&L.	Engines.	H&L.	Engines.
1. Ray's Saw Mill	1 3 10	2	5 9		2 7
2. Main and Cabel	1 3 10	2	2 5 9		4 7
3. Newcomb-Buchanan Distillery	1 3 9 10	2	2 5 7	1	4 8
4. Weatherford Engine-house	1 3 10	2	5 9		2 7
5. Jefferson and Clay	1 3 10	2	5 9	1	2 7
6. Jefferson and Campbell	1 3 9 10	2	5 2	1	4 7
7. Underhill and Baxter avenue	1 3 9 10	2	5 7		2 4
8. Main and Wenzel	1 3 10	2	2 5 9	1	4 7
9. Franklin and Clay	1 3 10	2	5 9		2 7
12. Walnut and Shelby	1 3 9 10	2	5 9	1	4 7
13. Chestnut and Hancock	1 9	2	3 10		5 7
14. Broadway and Shelby	1 3 9	2	7 10	1	2 5
15. Broadway and Underhill	1 3 9	2	5 7 10		2 8
16. Breckinridge and Shelby	3 9	2	1 7		5 10
17. Madison and Wenzel	1 3 9 10	2	5 7	1	2 4
18. Main and Hancock	1 3 10	2	2 5 9		4 7
19. Fulton and Preston	1 3 9	2	2 5 10	1	4 7
21. Fulton, bet. Shelby and Campbell	1 3 5 9	2	2 7 10	1	4 8
22. Baxter Hook and Ladder Company	2 4 5 7	1	1 8 9	2	3 6 10
23. Jefferson and Brook	1 2 5	2	3 9		4 7
24. Walnut and Jackson	1 3 9	1 2	5 10		2 7
25. Chestnut and Floyd	1 5 7 9	1 2	2 3 8		4 10
26. Krack Engine-house	1 3 7 9	2	5 8 10	1	2 4
27. Main and Preston	1 3 5 10	2	2 9	1	4 7
28. Main and Brook	1 2 3 5	1 2	7 9 10		4 8
29. Linden and Floyd	1 5	2	3 9		2 7
31. Broadway and First	5 9	2	1 5 8	1	2 3
32. College and Brook	7 9	2	1 5 8		2 3
33. Bradas Engine-house, No. 11	3 9 10 11	2	1 5	1	2 7
34. Breckinridge and Preston	1 7 9	2	3 5 8		2 10
35. Chestnut and First	1 5 9	2	2 7		3 8
36. Walnut and Second	1 2 5	1	7 9	2	3 4
37. Gilliss Engine-house	2 4 5 7	1	1 8 9	2	3 6 10
38. Main and Second	1 2 3 5 7	1 2	4 9 10		6 8
39. Main and Fourth	1 2 3 4 5 7	1 2	6 8 9 10		
41. Water and Third	1 2 5	1	3 4 7	2	8 9 10
42. Jefferson and Fourth	1 2 4 5 7	1 2	3 8 9		6 10
43. Chestnut and Fourth	1 2 5 7	1 2	4 9	2	6 8 10
44. C. D. Jacob Engine-house No 1	1 3 5 9 11	2	2 7 10	1	
45. Broadway and Fifth	2 7	1	5 8 9	2	1 4
46. Breckinridge and Third	7 9	1	2 5 8	2	1 4
47. Market and Fifth	2 4 5 7	1 2	1 3 8 9		6 10
48. Main and Sixth	1 2 4 5 7	1 2	3 8 9 10		6
49. Main and Eighth	1 2 4 5 7	1 2	1 3 10		6 9
51. Shippingport	4 6 Exting	1	2 8		5 7
52. Green and Ninth	2 4 5 7	1	1 8 9	2	3 6
53. Walnut and Sixth	2 5 7	1	1 4 8	2	3 9
54. Walnut and Tenth	2 4 8	1	5 7 9	2	1 3 6
56. Chestnut and Eighth	2 7 8	1	1 4 5	2	3 9
57. Main and Tenth	2 4 5 8	1	1 3 6 7	2	9 10
58. Broadway and Ninth	2 4 7 8	1	1 5 9	2	3 6
59. Levi Engine-house	2 7 8	1	5 9	2	1 3 4
61. Jefferson and Eleventh	2 4 8	1	5 6 7	2	3 9
62. Magazine and Twelfth	4 7 8	1	2 5		1 6
63. Walnut and Sixteenth	2 4 8	1	5 6 7		1 9
64. Jefferson and Eighteenth	4 6 8	1	2 5 7	2	1 3
65. Duncan and Twentieth	4 6 8	1	2 5 7	2	1 3
67. Main and Twelfth	2 4 6 8	1	1 3 5 7	2	9 10
68. Portland avenue and Fifteenth	2 4 5 6 8	1	1 3 7	2	9 10
69. Sargent Engine-house	2 4 8	1	1 5 6 7		3 9
71. Walnut and Thirteenth	2 4 8	1	5 6 7	1	1 3
72. Chestnut and Fifteenth	4 7 8	1	2 5 6		1
73. Leach Engine-house	2 4 7 8	1	1 5 6 9	2	3 10
74. Main and Nineteenth	4 6 8	1	2 3 5 7	2	1 10
75. Portland avenue and Bridge	4 6	1	2 5 8		1 7
76. Johnson Engine-house	4 6 13	1	2 8	2	1 5 7
78. Portland avenue and Fulton	4 6 13	1	2 5 8	2	1 7
79. Magazine and Seventeenth	4 7 8	1	2 5 6	2	1 3 9
81. Commercial and Water	4 6 13	1	2 5 8		1 7

ENGINE RUNS.—Continued.

NUMBER AND LOCATION OF STATIONS.	FIRST ALARM.		SECOND ALARM.		THIRD ALARM.
	Engines.	H. & L.	Engines.	H. & L.	Engines.
82. Main and Fifteenth	2 4 5 6 8	1	1 3 7 10	2	9
83. Market and Sayre	2 4 6	1	1 5 7 8	2	3 10
84. Madison and Twenty-second	4 6 8	1	2 7		1 3 6
85. Maple and Eighteenth	4 7 8	1	2 5 6 9		1 3
86. Kentucky and Sixteenth	4 7 8	1	2 5 6		1 3 9
87. Churchill and Eighth	7 8	1	2 4 5 9		1 3
91. Van Buren and Ohio	3 10	2	1 5 9		2 7
92. Main and Ohio	1 3 9 10	2	2 5 7	1	4 8
93. Southall and Spring	3 10	2	1 5 9		2 7
94. Beargrass Distillery	1 3 9 10	2	2 5 8		4 7
95. Market and Johnson	1 3 9 10	2	2 5 7	1	4 8
96. Fulton and Adams	1 3 10	2	2 5 9		4 7 8
97. Franklin and Buchanan	1 3 10	2	2 5 9		4 7
123. House of Refuge	7 9	1	1 2 5 8	2	4
124. Kentucky and Tenth	4 7 8	1	2 5 9		1 6
125. Gallagher and Eighteenth	4 7	1	2 6 7		1 5
126. Walnut and Nineteenth	4 6 7 8	1	1 2 5		3 9
127. Rowan and Thirteenth	2 4 6 8	1	1 5 7	2	3 9
128. Oak and Fifth	7 8 9	1	2 5		1 4
129. Bank and Seventeenth	4 6 8	1	2 5 7	2	1 3
132. Market and First	1 2 3 5	1 2	4 7 9		8 10
134. Baxter avenue and Broadway	3 9	2	1 10		5 7
135. Mary and Logan	3 9	2	1 7 10		2 4 5
136. Montgomery and Twenty-ninth	4 6 13	1	2 5 8		1 7
137. Preston and College (Davis Furniture Factory)	1 3 7 9	2	5 8 10	1	2 4
138. Twenty-sixth and St. Cecilia	4 6 13	1	8		5 7 2
139. Melwood Distillery	1 3 10	2	2 5 9	1	4 7
142. Lexington and Eighth	2 7 8	1	4 5 9		1 3 6
143. Ormsby avenue and Third	7 9	1	5 8		1 2
145. Oak and Twelfth	7 8	1	2 4 9		1 5
146. Kentucky and Preston	1 7 9	2	3 5	1	2 10
147. Maple and Eleventh	2 4 7 8	1	1 5 9	2	3 6
148. Campbell and Geiger	1 3 10	2	5 9	1	2 7
149. Central Park	7 9	1	2 5	2	1 8
152. Market, bet. Seventh and Eighth	2 4 5 7	1	1 8 9	2	3 6 10
153. Bunce Hook and Ladder Company	1 3 10	2	5 9	1	2 7
154. Spring and Payne	3 10	2	1 9	1	5 7
156. Blind Institute	3 10	1 2	1 2 5 9		4 7
157. Baxter avenue and Jefferson	1 3 5 10	2	2 7 9 6	1	4 8
158. Jefferson and Twenty-second	4 6	1	2 8		5 7
159. Fifteenth and Lytle	2 4 5 6 8	1	1 3 7	2	9 10 11
162. No. 5 Engine-house	1 2 5	2	7 9		3 4
163. St. Xavier's Institute	4 6	1	2 8	2	5 7
164. Washington and First (Paper Mill)	1 2 3 5 7	1 2	4 9 10		6 8
165. Hall's Saw Mill	1 3 10	2	2 5 9		4 7
167. Hancock and Lampton	1 9	2	3 5 7	1	2 10
168. Seventh and Market	4 6	1	2 8		5 7
169. Broadway and Seventh	2 7	1	8 9		4 5
172. Washington and Preston (Cornwall's)	1 3 5 10	2	2 9	1	4 7
173. Garden and Baxter avenue (Eclipse Woolen Mills)	1 3 9 10	2	5 7	1	2 4
174. Dumesnil and Ninth	7 8 2R	1	2 4		5 9
175. Twenty-sixth and Rowan	4 6 13 8R	1	8 2R		5 7 2
176. Story avenue and Pocahontas	1 3 10 11	2	2 5 9		4 7 8
178. Maiden Lane, bet. Adams and Ohio	1 3 10 11	2	2 5 9		4 7 8
182. Maiden Lane and Ohio	1 3 10 11	2	2 5 9		4 7 8
183. Main, bet. Sixth and Seventh	1 2 4 5 7	1 2	3 8 9 10 11		6
213. High, between Fifteenth and Seventeenth	2 4 6 8	1	1 5 7	2	3 10
214. Magnolia and Seventh	7 8	1	2 5 9		1 4
215. Market and Third	1 2 3 5	1 2	4 7 9		8 10
216. Monroe and Tenth (Dupont's Paper Mill)	2 4 5 8	1	1 6 7	2	3 9 10
217. Ninth and Canal (Louisville Pipe Works)	2 4 5 8	1	1 6 7	2	3 9 10
218. Fulton and Preston (Union Pipe Works)	1 3 5 9	2	2 10	1	4 7
231. Logan and Hamilton avenue	1 3 9 10	2	2 5 7	1	4 8

ENGINE RUNS.—Continued.

NUMBER AND LOCATION OF STATIONS.	First Alarm.		Second Alarm.		Third Alarm.
	Engines.	H. & L.	Engines.	H. & L.	Engines.
234. Story and Frankfort avenues (Kentucky Woolen Works)	1 3 9 10 . . .	2	2 5 7 . . .	1	4 8
235. Madison, between Shelby and Clay (Kentucky Wagon Factory)	1 3 9 10 . . .	2	5 7	1	2 4
236. Oil Refinery	5 7 9	1	1 2 8 . . .	2	3 4
237. Green, between Preston and Jackson (City Brewery)	1 3 5 9 . . .	2	2 7 10 . . .	1	4 8
241. Floyd, between College and Breckinridge (Escott's)	1 5 7 9 . . .	2	3 8	1	2 10
243. Jefferson, between Second and Third (Steam Bakery)	1 2 4 5 7 . .	1 2	3 8 9 . . .	. .	6 10
245. Washington and Jackson (Gas W'ks)	1 3 5 10 . . .	2	2 9	1	4 7
246. Fourth, between Green and Walnut (Public Library)	1 2 4 5 7 . .	1 2	3 8 9 . . .	. .	6 10
251. Fifteenth, between Main and Rowan (Avery's Plow Works)	2 4 5 6 8 . .	1	1 3 7 10 . .	2	9
253. Walnut and Fourth (Macauley's Theater)	1 2 5 7 . . .	1	3 4 9 . . .	2	6 8 10
254. Magnolia avenue and First (Stege & Reiling's Distillery)	7 9	2	2 5 8 . . .	1	1 4
256. Oak and Seventh (Ax Handle Factory	7 8 Two's reel	1	2 4 5 9 . .	. .	1 3
261. Portland avenue and Thirty-ninth (Mattingly's Distillery)	4 6 13	1	2 5 8 . . .	. .	1 7
263. Clay and Fulton (Bell & Coggeshall	1 3 10	2	5 9	. .	2 7
264. Phœnix Brewery	1 3 9 10 . . .	2	5 7	. .	2 4
265. Walnut and Eighteenth (Car Stables)	4 6 7 8 . .	1	1 2 5 . . .	. .	3 9
271. Eighth, between York and Lexington (Lead Works)	2 7 8	1	4 5 9 . . .	. .	1 3 6
273. Lexington and Eighteenth (Tannery)	4 7 8	1	2 5 6 9 . .	. .	1 3
274. Chestnut and Garden (Struck & Co)	1 3 9 10 . . .	2	5 7	1	2 4
281. Monroe and Tenth (Meikle & Co.)	2 4 5 8 . . .	1	1 6 7 . . .	2	3 9 10
312. Tenth, between Madison and Chestnut (H. J. Lewis & Bro.)	2 4 8	1	5 7 9 . . .	2	1 3 6
314. Southall and Spring (Stafford's Cooper Shop)	3 10	2	1 5 9 . . .	. .	2 7
315. Newcomb-Buchanan Distillery	1 3 9 10 . . .	2	2 5 7 . . .	1	4 8
316. No. 10 Engine-house	1 3 10	2	2 5 9 . . .	. .	4 7
317. Delaware and Eleventh (L. & N. Railroad)	4 7 8	1	2 5 9 . . .	. .	1 6
318. Rudd avenue and Eighteenth (Marion Co. Distillery)	4 6 13	1	2 5 8 . . .	. .	1 7
321. Lexington, between Seventeenth and Eighteenth (Belmont Distil'y)	4 7 8	2	2 5 6 9 . .	. .	1 3
324. River and First (Short Line Depot)	1 2 3 5 7 . .	1 2	4 9 10 . . .	. .	6 8
325. Courier-Journal Building	1 2 4 5 7 . .	1	3 8 9 . . .	2	6 10
341. Thirtieth and Portland avenue	4 6 13	1	8 Two's reel	. .	1 2 5 7
342. Main and Clay	1 3 9 10 . .	2	2 5 7 11 . .	1	4
345. Jackson and Caldwell	1 3 9 10 11 .	2	2 5 7 . . .	1	4 8
346. Preston and Shipp	7 9 One's reel	2	1 3 11 . . .	. .	5 10
347. Clay and Caldwell	1 3 9 10 11 .	2	2 5 7 . . .	1	4 8
348. Twentieth and Portland avenue	4 6	1	8 Two's reel	2	1 3 9 2 5
351. Fifteenth and Gallagher	4 7 8	1	2 5 6 . . .	2	1 3 9
352. Southern Exposition Building	5 7 8 9 . . .	1	1 4 2 . . .	2	8

LIST OF PUBLIC CISTERNS

IN THE CITY OF LOUISVILLE, ARRANGED IN THE DIFFERENT ENGINE DISTRICTS WHICH HAVE THEM IN CHARGE.

ENGINE No. 1.

Franklin and Preston.
Washington and Jackson.
Washington and Preston.
Main and Jackson.
Main and Preston.
Main, between Floyd and Preston.
Main and Floyd.
Main and Brook.
Main and First.
Market and Jackson.
Market and Preston.
Market, below Preston.
Market and Floyd.
Market, between Floyd and Brook.
Market and First.
Jefferson and Jackson.
Jefferson and Preston.
Jefferson and Floyd.
Jefferson, between Brook and Floyd.
Green and Jackson.
Green and Preston.
Green and Floyd.
Green and Brook.
Green and First.
Walnut and Jackson.
Walnut and Preston.
Walnut and Floyd.
Walnut and East.
Madison and Preston.
First, between Walnut and Madison.
Lafayette and Floyd.
East and Madison.

ENGINE No. 2.

River and Sixth.
River and Eighth.
Main and Sixth.
Main and Seventh.
Main and Eighth.
Main and Ninth.
Market and Sixth.
Market and Seventh.
Market and Eighth.
Market and Ninth.
Jefferson and Sixth.
Jefferson and Seventh.
Jefferson and Ninth.
Green and Sixth.
Green and Seventh.
Green and Eighth.
Green and Ninth.
Walnut and Sixth.
Walnut and Seventh.
Walnut and Eighth.
Walnut and Ninth.
Madison and Eighth.
Madison and Ninth.

ENGINE No. 3.

Fulton and Campbell.
Fulton and Clay.
Franklin and Campbell.
Franklin and Shelby.
Franklin and Clay.
Main and Campbell.
Main and Shelby.
Main and Clay.
Main and Hancock.
Market and Campbell.
Market and Shelby.
Market and Clay.
Market and Hancock.
Jefferson and Campbell.
Jefferson and Shelby.
Jefferson and Clay.
Jefferson and Hancock.
Green and Campbell.
Green and Shelby.
Green and Clay.
Green and Hancock.
Walnut and Campbell.

Walnut and Shelby.
Walnut and Clay.
Walnut and Hancock.
Walnut and Wenzel.
Madison and Campbell.
Madison and Shelby.
Madison and Clay.

ENGINE No. 4.

High and Fourteenth.
High, bet. Twelfth and Thirteenth.
High and Fifteenth.
Portland avenue and Fifteenth.
Duncan and Fourteenth.
Duncan and Fifteenth.
Rowan and Twelfth.
Rowan and Thirteenth.
Rowan and Sixteenth.
Main and Tenth.
Main and Eleventh.
Main and Twelfth.
Main and Thirteenth.
Main and Fourteenth.
Main and Fifteenth.
Main and Sixteenth.
Market and Tenth.
Market and Eleventh.
Market and Twelfth.
Market and Thirteenth.
Market and Fourteenth.
Market and Fifteenth.
Jefferson and Tenth.
Jefferson and Eleventh.
Jefferson and Twelfth.
Jefferson and Thirteenth.
Jefferson and Fourteenth.
Jefferson and Sixteenth.
Green and Tenth.
Green and Twelfth.
Green and Fourteenth.
Grayson and West.
Grayson and Eleventh.
Grayson and Thirteenth.
Walnut and Tenth.
Walnut and Eleventh.
Walnut and Twelfth.
Walnut and Thirteenth.
Walnut and Fourteenth.
Walnut and Fifteenth.
Walnut and Sixteenth.
Madison and Thirteenth.

ENGINE No. 5.

Main and Second.
Main and Third.
Main and Fourth.
Main and Fifth.
Main, above Fourth.
Market, bet. First and Second.
Market and Third.
Market and Fourth.
Market and Fifth.
Jefferson and Second.
Jefferson and Third.
Jefferson and Fourth.
Jefferson and Fifth.
Green and Fourth.
Green and Fifth.
Walnut, bet. First and Second.
Walnut and Second.
Walnut and Fourth.
Walnut, bet. Fourth and Fifth.
Fourth, bet. Walnut and Chestnut.
Third, bet. Walnut and Chestnut.
Third, bet. Walnut and Green.
Second, bet. Walnut and Green.
Guthrie and Second.
Madison and East.

ENGINE No. 6.

Portland avenue and Seventeenth.
Portland avenue and Eighteenth.
Portland avenue and Twentieth.
Portland avenue and Twenty-first.
Portland avenue and Twenty-fourth.
Portland avenue and Twenty-sixth.
Portland avenue and Twenty-seventh.
High and Eighteenth.
High and Twenty-first.
Montgomery and Twenty-sixth.
Montgomery and Twenty-seventh.
Bank and Nineteenth.
Bank and Twenty-first.
Bank, 1,000 ft. west of Twenty-first.
Lytle and Seventeenth.
Duncan and Seventeenth.

Duncan and Eighteenth.
Owen and Nineteenth.
Main and Seventeenth.
Main and Eighteenth.
Main and Nineteenth.
Main and Twenty-second.
Main and Twenty-fourth.
St. Cecilia and Twenty-sixth.
Griffith avenue and Twenty-sixth.
Howard and Eighteenth.
Market and Seventeenth.
Market and Eighteenth.
Market and Twentieth.
Market and Twenty-first.
Market and Twenty-third.
Harney and Twenty-first.
Jefferson and Seventeenth.
Jefferson and Eighteenth.
Jefferson and Nineteenth.
Jefferson and Twenty-second.
Grayson and Eighteenth.
Grayson and Twentieth.
Walnut and Seventeenth.
Walnut and Eighteenth.
Walnut and Nineteenth.
Walnut and Twenty-first.
Walnut and Twenty-second.
Madison and Nineteenth.
Madison and Twenty-second.
Chestnut and Nineteenth.
Chestnut and Twenty-first.
Griffith avenue and Eighteenth.

ENGINE No. 7.

Chestnut and Fifth.
Chestnut and Sixth.
Chestnut and Seventh.
Chestnut and Eighth.
Chestnut and Ninth.
Broadway and Second.
Broadway and Third.
Broadway and Fifth.
Broadway and Sixth.
Broadway and Seventh.
Broadway and Eighth.
College and Second.
Breckinridge and Second.
Breckinridge and Third.
Breckinridge and Fourth.
Breckinridge and Fifth.
Kentucky and Second.
Kentucky and Third.
Kentucky and Fourth.
Kentucky and Fifth.
Kentucky and Sixth.
Jacob and Second.
Shipp avenue and Second.
St. Catherine and Second.
St. Catherine and Third.
St. Catherine and Fourth.
Weissinger avenue and Third.
B street and Third.
C street and Fourth.
Ormsby avenue and Second.
Ormsby avenue and Fourth.
York and Fifth.
York and Seventh.
York and Eighth.
York and Ninth.
Oak and Fourth.
Oak and Fifth.
Oak and Sixth.
Oak and Seventh.
Lexington and Sixth.
Lexington and Ninth.
Magazine and Seventh.
Weissinger avenue and Sixth.
Churchill and Seventh.
Magnolia avenue and Seventh.
Cawthon and Eighth.
Cawthon and Ninth.
Chestnut, bet. Second and Third.
Third, bet. Chestnut and Broadway.
Fourth, bet. Broadway and York.
Magnolia avenue and First.

ENGINE No. 8.

Chestnut and Tenth.
Chestnut and Eleventh.
Chestnut and Twelfth.
Chestnut and Fourteenth.
Chestnut and Fifteenth.
Chestnut and Sixteenth.
Chestnut and Seventeenth.
Chestnut and Eighteenth.

Magazine and Ninth.
Magazine and Thirteenth.
Magazine and Fourteenth.
Magazine and Sixteenth.
Magazine and Twenty-first.
Broadway and Ninth.
Broadway and Tenth.
Broadway and Eleventh.
Broadway and Twelfth.
Broadway and Thirteenth.
Broadway and Fifteenth.
Broadway and Eighteenth.
Maple and Eleventh.
Maple and Twelfth.
Maple and Thirteenth.
Maple and Seventeenth.
Maple and Eighteenth.
Lexington and Eleventh.
Delaware and Twelfth.

Southgate and Fifteenth.
Southgate and Eighteenth.
Kentucky and Tenth.
Kentucky and Fourteenth.
Kentucky and Sixteenth.
Kentucky and Eighteenth.
Prentice and Fifteenth.
Prentice and Seventeenth.
Gallagher and Twelfth.
Gallagher and Fifteenth.
Gallagher and Sixteenth.
Gallagher and Eighteenth.
Lexington and Twelfth.
Dumesnil and Tenth.
Dumesnil and Twelfth.
Monroe and Tenth.
Oak and Eleventh.
Oak and Nashville avenue.

ENGINE No. 9.

Magnolia avenue and First.
Chestnut and First.
Gray and First.
Broadway and First.
Jacob and First.
College and First.
Breckinridge and First.
Brook and Chestnut.
Brook and Gray.
Brook and Broadway.
Brook and Breckinridge.
Floyd and Chestnut.
Floyd and Gray.
Floyd and Broadway.
Floyd and Jacob.
Floyd and College.
Floyd and Breckinridge.
Floyd and Caldwell.
Floyd and St. Catherine.
Preston and Chestnut.
Preston and Broadway.
Preston and Jacob.
Preston and Laurel.
Preston and College.
Preston and Breckinridge.
Preston and Caldwell.
Preston and Kentucky.
Preston and Shipp.
Jackson and Chestnut.

Jackson and Gray.
Jackson and Broadway.
Jackson and Laurel.
Jackson and Lampton.
Jackson and Breckinridge.
Jackson and Caldwell.
Jackson and Kentucky.
Hancock and Chestnut.
Hancock and Broadway.
Hancock and Jacob.
Hancock and Lampton.
Clay and Chestnut.
Clay and Gray.
Clay and Broadway.
Clay and Breckinridge.
Clay and Laurel.
Clay and Caldwell.
Shelby and Broadway.
Shelby and Roselane.
Shelby and Milk.
Campbell and Chestnut.
Campbell and Broadway.
Logan and Hamilton.
Logan and Mary.
Barrett avenue and Broadway.
Barrett avenue and Howard.
Milk and R. R. crossing.
Mechanic and Howard.

ENGINE No. 10.

Fulton and Adams.
Fulton and Cabel.
Franklin and Cabel.
Franklin and Buchanan.
Franklin and Wenzel.
Washington and Webster.
Washington and Wenzel.
Washington and Pocahontas.
Story avenue and Brownsboro road.
Story avenue and Ohio.
Story avenue, bet. Adams and Ohio.
Story avenue and Adams.
Story avenue and Cabel.
Story avenue and Buchanan.
Story avenue, bet. Frankfort avenue and Brownsboro pike.
Main and Johnson.
Main and Wenzel.
Market and Johnson.
Market and Wenzel.
Jefferson and Wenzel.
Green and Wenzel.
Garden and Wenzel.
Green and Baxter avenue.
Baxter avenue and Hamilton.
Baxter avenue and Payne.
Baxter avenue and Broadway.
Baxter avenue and Christy.
Underhill, bet. Overhill and Broadway.
Cooper and Hamilton avenue.
Reservoir and Spring.
Reservoir and Mellwood Distillery.
Payne and Spring.
Maiden Lane and Ohio.
Calhoun and Adams.
Lloyd and Marion.
Van Buren and Marion.
Ohio and Irvin.
Reservoir avenue and Stine.
Brent and Hampton.
Hamilton avenue and Payne.
Payne and Cooper.
Rogers and Baxter avenue.
Payne and Hull.
Baxter and Highland avenues.

CHEMICAL COMPANY.

Portland avenue and Twenty-ninth.
Portland avenue and Thirty-first.
Montgomery and Thirtieth.
High avenue and Twenty-third.
High avenue and Twenty-fourth.
High avenue and Twenty-six.
Rudd avenue and Thirty-second.
Rudd avenue and Thirty-fourth.
Rudd avenue and Thirty-fifth.
Water and Thirty-fourth.
Missouri and Thirty-fifth.
Bank and Thirty-fifth.

FIRE PLUGS.

Story avenue and Ohio.
Washington and Second.
Washington and Third.
Fifth, bet. Main and Water.
Sixth and Nelson.
Eighth, bet. York and Kentucky.
Maiden Lane, bet. Ohio and Adams.
Story avenue, bet. Brownsboro road and Ohio.
Story avenue, bet. Ohio and Adams.
Baxter avenue and Broadway.
Water and Second.
Water and Third.
Water and Fourth.
Water and Fifth.
Water and Sixth.
Water and Thirty-fourth.
North side Main, bet. Fourth and Fifth.
North side Main, bet. Third and Fourth.
North side Main, bet. Second and Third.
North side Main, bet. First and Second.
North side Main, bet. First and Brook.
South side Main, bet. Fourth and Fifth.
South side Main, bet. Third and Fourth.
South side Main, bet. Second and Third.
South side Main, bet. First and Second.
South side Main, bet. First and Brook.

RULES AND REGULATIONS.

1. A strict attendance of all permanently-employed members at their respective stations at all times.

2. Leave of absence for three hours' time must be obtained from the captain; for six hours' time from the assistants; for a period longer than six hours the member will be required to obtain leave from the Chief, and in all cases they must furnish competent substitutes during such absence.

3. In no case will more than two of the members of each company be allowed to go to meals at the same time.

4. There shall be constantly on duty in each Engine House one driver, the captain or pipeman, and engineer or fireman.

5. In each Hook and Ladder House there shall be on constant duty not less than four members. Watches to be stood as follows: Steersman from 7 to 10 P. M.; one ladderman from 10 P. M. to 1 A. M.; one ladderman from 1 to 3 A. M.; one ladderman from 3 to 6 A. M.; drivers from 6 A. M. to 7 P. M. every alternate day. One driver to be called at 5:30 every morning.

6. Persons in an intoxicated condition are positively forbidden from coming in or about the Engine or Hook and Ladder Houses.

7. It shall be the imperative duty of the member on watch to eject from the house any such person as is named in Rule No. 6.

8. Any member of this Department who fails to comply with the provisions of Rule No. 7 will be, when properly reported, suspended.

9. The members shall stand regular watches; engineers from 7 to 10 P. M.; the captain from 10 P. M. to 1 A. M.; the pipeman from 1 to 3 A. M.; fireman from 3 to 6 A. M.; one driver from 6 A. M. to 7 P. M. every alternate day. One driver to be called at 5:30 A. M.

10. Drivers, in exercising their horses, will not be allowed to go further than two squares from their houses.

11. It shall be the duty of the captain, pipeman, and fireman to clean their engine regularly twice a week, and oftener if necessary. It shall also be the duty of the captain to see that the couplings of the idle line of hose are cleaned without fail once a week.

12. It shall be the duty of the captains of Steamers and the steersmen of Hook and Ladder to see that immediately after returning from a fire (provided they have not been engaged longer than three hours) everything is thoroughly cleaned, hose changed, and placed in perfect order.

13. Each member, during his watch, shall keep the engine room and stable clean and in good order, and see that Rule No. 7 is strictly enforced.

14 It shall be the duty of the members of this Department each to take his turn in keeping the bed room in a neat and clean manner

15. It shall be the duty of the captain, pipeman, and fireman to inspect the cisterns and stop-valves in their respective districts at least once a week during the winter, and every fifteen days in summer.

16. The drivers shall, in case of the dangerous sickness of their horses, report the same with as little delay as possible to the Chief.

17. It shall be the duty of the captain and pipeman to attend to winding the machinery in the bell tower often enough to prevent the same from ever running down.

18. It shall be the duty of captains and others in charge of companies to keep a correct roll of their members, and at 7 o'clock A. M. on the first day of each month to report to the Chief Engineer, at his office, all fires and alarms, the attendants and absentees of his company, and a true statement of the time made by each member of his company during said month.

19. It shall be the duty of the captains to report to the Chief Engineer any member of his company who may be absent without leave, or fail to be present at a fire without just cause.

20. Racing to or from fires is positively prohibited; but the members of the Department are particularly enjoined that each company is expected to report for duty at all fires within their jurisdiction as rapidly as possible, in all cases using due caution and care to avoid all accidents, or in any way jeopardizing the lives of citizens.

21. It shall be, from the adoption of these rules and ever afterward, the duty of captains and others in charge of companies to give their respective houses a thorough cleaning once every month, and to have a place for everything and see that everything is in its proper place.

22. The reel driver shall attend to cleaning the reel, which he shall do as often as the reel may be ordered out for any purpose; and he shall not be allowed to use the small hose in washing his reel, except when the line of hose is off. Should the parties in charge of reels be detected in throwing water on the hose while on the reel, they shall be immediately suspended.

23. No person, other than members of the Fire Department and reporters of the city press, will be allowed to ride on the apparatus going to or returning from a fire or an alarm.

24. All citizens and strangers visiting the Engine Houses shall be shown proper attention by the member on watch, and a failure on his part to do so will be sufficient cause of suspension from duty by the Chief.

25. All wagons belonging to the Department shall be kept at all times clean and in good condition. It shall be the duty of the party last using the wagon to clean it well before returning it to the company to whom it belongs, or, should it belong to his company, he shall clean it before putting it away.

26. The duty of each Company Engineer shall be to see that his engine is at all times ready for service, and to report to the Chief Engineer, through his captain or assistants, as early as practicable, all needed repairs or accidents to his engine. He will be held strictly responsible for a close observance of this rule.

27. The drivers shall exercise their horses once every day, unless they have been used during the previous twelve hours.

28. The members of the Chemical Engines will be considered as members of Steamers, and be governed by the same rules.

29. Drunkenness of members of this Department will not be tolerated, and will be punished by dismissal.

30. It shall be the duty of the captains of the Department to report all fires and alarms occurring in their respective districts within three hours after their occurrence, or as soon thereafter as possible.

31. Beginning with the 1st day of October, 1879, each company of this Department will be relieved temporarily only from fire duty in the following order: Hook and Ladder No. 1, first Monday in every month; Steamer No. 1, first Tuesday in every month; Steamer No. 2, first Wednesday in every month; Steamer No. 3, first Thursday in every month; Steamer No. 4, first Friday in every month; Steamer No. 5, first Saturday in every month; Hook and Ladder No. 2, second Monday in every month; Steamer No. 6, second Tuesday in every month; Steamer No. 7, second Wednesday in every month; Steamer No. 8, second Thursday in every month; Steamer No. 9, second Friday in every month; Steamer No. 10, second Saturday in every month; and Chemical No. 1, third Monday in every month.

32. Any person who has been discharged from this Department from any cause whatever shall not be allowed to serve in any capacity as substitute without permission from the Chief Engineer.

33. It shall be the duty of captains and all others making reports, or bringing against any regular employe accusations of misconduct or violation of any rule of this Department, to make such reports in writing within twenty-four hours.

34. The several captains and others in charge of companies will be held strictly responsible for a close and faithful observance of every section of these rules and regulations; and should they fail to report any violation of these rules, they themselves will be deemed guilty of dereliction of duty, and will be punished by suspension or dismissal from this Department.

AN ORDINANCE

To Provide for the Establishment and Maintenance of a Fire Department.

Section 1. *Be it ordained by the General Council of the City of Louisville*: That the duties herein assigned shall be fully complied with by the Chief Engineer.

Sec. 2. He shall be present at all the fires when practicable, and see that a proper application is made of the means at his control for the extinguishment thereof.

Sec. 3. He is hereby clothed with full police authority in all matters relating to the Department, and should an occasion occur that those belonging to the Department are not sufficient to check the progress of the fire, protect surrounding property, and maintain order, he may, for the time being, employ an additional force and report the names of all persons thus employed to the General Council to whom compensation may be allowed for such services.

Sec. 4. He shall require all persons connected with the Department to reside within a convenient distance of the engine-house of their respective companies (which may hereafter be connected with the Department).

Sec. 5. It shall be the duty of the Chief Engineer to make a full and complete report to the first regular meeting of the General Council in each month of the persons on duty in the month ending with the day of report, in their respective capacities, the number of days each performed duty, the amount of pay due to each, and such other expenses as may have been incurred during the month. Said report shall be made under oath. Upon the approval of the General Council of a report of the Chief Engineer, and allowance of pay and expenses upon the report by resolution duly approved, it shall be the duty of the Auditor to draw his warrant upon the Treasurer in favor of the parties named in said pay-roll for the full amount of pay and expenses thus allowed, in accordance with an ordinance entitled "An ordinance prescribing the manner in which claims against the city of Louisville shall be made."

Sec. 6. He is hereby authorized, and it is made his duty to visit any house, yard, or premises in the city wherein it is known or supposed that any character of fixtures exists which may be dangerous in causing or promoting fires, and on examination thereof, should any such danger appear, he shall direct in writing the owner, agent, or occupant of the premises containing such fixtures to remove, alter, or amend the same in such manner and time as he may deem reasonable and just.

SEC. 7. He shall not permit racing to or from fires, and if more than one company proceed on the same street to a fire, they shall go n single file. No company shall leave the city to attend a fire in a neighboring town without the consent of the Chief, nor on any excursion unless by permission of the General Council.

SEC. 8. He shall obey the order of the Mayor and such regulations as may from time to time be adopted by the General Council.

SEC. 9. He shall cause the bells to be rung at 7 A M, 12 M., 1 P. M., 6 P. M., and 10 P. M.

SEC. 10. The Fire Department herein established shall consist of as many companies (whether of steam fire-engine, chemical engine, of hook and ladder companies) as the General Council may from time to time designate by ordinance or resolution.

SEC. 11. The companies for steam fire-engines shall consist of one captain, one engineer, one stoker or fireman, two pipemen, and two drivers, to be appointed by the Chief Engineer, with the approval of the Committee on Fire Department of the General Council. All persons connected with the steam fire company shall be on permanent duty at their respective engine houses.

SEC. 12. All members of the Department shall give bond, with good security, for their competency to perform the duties they assume, and that they will faithfully perform said duties and such duties as are or may be from time to time prescribed, said bonds to be executed to the city of Louisville and to be approved by the General Council.

SEC. 13. For neglect of duty on the part of the Chief Engineer, charges may be preferred against him by the Board of Aldermen, in accordance with the provisions of Section 8 of the city charter, and if the charges are maintained, the said Board of Aldermen shall declare the office vacant. In the event of vacancy in the office of Chief Engineer from any cause prior to the expiration of the term for which he had been elected, the General Council shall fill the vacancy.

SEC. 14. The hook and ladder companies shall consist of one captain, one driver, one steersman, one fuel-cart driver, and four laddermen, who shall be on permanent duty at the hook and ladder houses to perform such duties as the Chief Engineer or his assistants may direct, and they shall receive the amount paid pipemen in monthly installments to each, according to the pay-roll, when approved by the General Council. The Chief Engineer of the Fire Department is authorized to appoint two assistants, to be known and designated as First and Second Assistants, who, if in their power, shall attend all fires happening in any part of the city, and in case of the absence or disability of the Chief it shall be the duty of the assistants to take charge of the organization, and they shall have and exercise all the powers

of the Chief, and in case of fire in the absence of the Chief, they shall exercise his power. If both the assistants are present the First Assistant shall rank the Second Assistant. The hook and ladder companies to be located: One on Eighth street, between Grayson and Walnut; the other on Hancock street, between Market and Jefferson, or at such other places as the General Council may direct by resolution.

SEC. 15. He is also authorized to appoint a clerk, who shall keep, in proper books for that purpose, a complete record of all the transactions in said Department, and of all property belonging thereto. Said books shall be open to the inspection of the Mayor and members of the General Council at all times; and said clerk shall be the clerk of the Committee on Fire Department, and shall serve without additional pay.

SEC. 16. Any officer or other member of the Department who shall have been absent from one-fourth of the fires during the month shall be dismissed, unless such non-attendance has been caused by sickness of himself or family, and should any officer or member or other persons employed in any capacity in the Fire Department interfere with elections further than to vote he shall be immediately dismissed by the Chief Engineer and on his failure to discharge such person the Mayor shall proceed against said Chief Engineer as directed in Section 13 of this ordinance.

SEC. 17. All persons belonging to the Fire Department shall be able-bodied citizens of the United States and qualified voters of the city of Louisville.

SEC. 18. The Mayor and Joint Committee on Fire Department shall advertise for proposals to furnish the Fire Department with horse feed in quantities to last one or three months, such feed to be delivered as wanted by said Department, the said bids to be confirmed by the General Council. The Fire Department Committee, or a majority of said committee, and the Chief Engineer shall have the power, and they are hereby vested with the authority and in the name of the city, yet at all times subject to the approval of the Mayor, and at any time, and from time to time as they may deem advisable, to sell and dispose of any horses belonging to the Department; also to buy horses for said Department, the proceeds of sale to be at once paid into the City Treasury to the credit of the General Fund.

SEC. 19. That the Chief of the Fire Department shall take charge of, superintend, control, protect, and preserve the Fire-alarm Telegraph, and see that the same is at all times kept in proper working order, and to make such rules and regulations as in his judgment may be proper to be observed in the management, care, and working of the same. The Chief of the Fire Department shall see that the Fire-

alarm Telegraph is at all times kept in proper working order, and to make such rules and regulations as in his judgment may be proper to be observed in the management, care, and working of the same. The employes of this branch of the Fire Department shall consist of one Line Repairer, one Assistant Line Repairer, and not exceeding four Operators, one of whom may be designated as Chief Operator, who shall be appointed by the Chief Engineer of the Fire Department.

SEC. 20. The Chief of the Fire Department shall also appoint a competent party to take charge of the repair, hose, and harness shop, with not exceeding two assistants, who shall be subject to all the rules and regulations governing other employes of the Fire Department.

SEC. 21. Any employe of the Fire Department may be removed by the Chief Engineer for incompetency, neglect of duty, or other satisfactory cause, but any employe so removed or dismissed may appeal to the Mayor and Joint Committee on Fire Department, and if the action of the Chief Engineer be not sustained they may restore him at once to his place.

SEC. 22. That Ordinance No. 608, approved July 15, 1878, and all ordinances in conflict herewith, are hereby repealed.

CARY B. BLACKBURN, P. B. C.

L. R. McCLEERY, C. B. C.

JAS. C. GILBERT, P. B. A.

OLIVER LUCAS, C. B. A.

Passed the General Council March 18, 1886.

Attest: OLIVER LUCAS, C. B. A.

REPORT

OF THE

CITY ENGINEER

FOR THE

YEAR ENDING AUGUST 31, 1886.

OFFICE OF CITY ENGINEER,

LOUISVILLE, KY., October 28, 1886.

To the General Council of the City of Louisville:

GENTLEMEN: I have the honor to submit my annual report of work done in the City Engineer's Department for the fiscal year ending August 31, 1886. Additional information will be furnished January 1, 1887, giving cost of granite streets now under reconstruction.

Respectfully yours,

R. T. SCOWDEN,

City Engineer.

STATEMENTS.

The following statements give in detail the amount expended on the various items of public work in the City during the year ending August 31, 1886:

No. 1. Alleys Constructed and Reconstructed.
2. Streets Constructed and Reconstructed.
3. Sidewalks Constructed and Reconstructed.
4. Wells.
5. Cisterns.
6. Street Repairs.
7. Engineer's Department.
8. Printing and Stationery.
9. Incidental Expenses.
10. Footway Crossings.
11. Western Outfall Sewer.
12. Pumps, Wells, and Cisterns.
13. Expended on Sewers.
14. Private Drains.
15. Operations of Building Department.
16. Recapitulation of Preceding Statements.
17. Cost of Work from 1850 to 1886.
18. Miles of Streets and Alleys.
19. List of Unfinished Contracts 1885 and 1886.
20. List of Contracts made prior to 1885 and 1886.
21. List of Contracts made and completed 1885 and 1886.

STATEMENT No. I.

SHOWING WORK ON ALLEYS CONSTRUCTED AND RECONSTRUCTED IN 1885 AND 1886, IN THE EASTERN DISTRICT.

Nature of Work.	LOCALITY.	Lineal Feet.	Contractor.	Property Pays.	City Pays.	Total.	No. Yards of Grading.	No. Feet of Curbing.	No. Squares of Paving.
Block Stone	Alley, from St. Catherine to Oak, between Second and Third streets	800	H. A. Meyer	$2,835 51		$2,835 51	891.2		161.2
Macadam	Alley, from First to Second streets, between Kentucky and St. Catherine streets.	420	F. Zabel	868 88		868 88	373.1	827.3	59.5
Block Stone	Alley, from First to Second streets, being first alley south of Ormsby avenue	420	C. C. Murphy	1,458 23		1,458 23	461.1		84.0
	Total	1,640		$5,162 62		$5,162 62	1,725.4	827.3	305.2

RECAPITULATION.

Block Stone	0.23 miles.	$4,293 74
Macadam	0.08 miles.	868 88
Total	0.31 miles.	$5,162 62

STATEMENT No. I.—Continued.

SHOWING WORK ON ALLEYS CONSTRUCTED AND RECONSTRUCTED IN 1885 AND 1886 IN THE WESTERN DISTRICT.

Nature of Work.	LOCALITY.	Lineal Feet.	Contractor.	Property Pays.	City Pays.	Total.	No. Yards Grading.	No. Feet Curbing.	No. Squares Paving.
Macadam .	Alley, from Twenty-first to Twenty-second street, bet. Walnut and Madison streets . . .	420.0	Joseph Nevin	$1,242 09	. . . . .	$1,242 09	539.3	814.16	59.4
Macadam .	Alley, from Fourteenth to Fifteenth street, being first alley north of Maple street	420.0	J. R. Gleason	1,164 41	. . . . .	1,164 41	945.7	815.2	63.5
Macadam .	Alley, from Eighteenth to Nineteenth street, between Madison and Chestnut streets . . .	420.0	J. R. Gleason	911 83	. . . . .	911 83	. . . . .	796.7	56.2
Macadam .	Alley, from Maple street north to first alley south, between Fifteenth and Sixteenth sts .	173.4	H. A. Meyer	402 51	. . . . .	402 51	225.5	346.6	24.3
	Total	1,433.4	. . . . .	$3,720 84	. . . . .	$3,720 84	1,710.5	2,772.6	203.4

RECAPITULATION.

Macadam . . . . . 0.28 miles $3,720 84

STATEMENT No. II.

SHOWING WORK ON STREETS CONSTRUCTED AND RECONSTRUCTED IN 1885 AND 1886 IN THE EASTERN DISTRICT.

Nature of Work.	LOCALITY.	Lineal Feet.	Contractor.	Property Pays.	City Pays.	Total.	No. Yards Grading.	No. Feet Curbing.	No. Squares Paving.
Macadam .	Bancroft street from east line of Clay, to west line of Shelby	525	V. Humpitch	$2,027 72		$2,027 72	1,020.2	1,042.9	133.4
Macadam .	Coke street, from east line of Clay, to 345 feet east	345	V. Humpitch	1,161 02		1,161 02	309.1	689.6	86.2
Macadam .	Brook street, from south line of Oak, to north line of Park Place	906	T. Gleason	4,336 49		4,336 49	2,273.6	1,822.5	330.7
Granite . .	Baxter avenue, from Green street to Hamilton avenue	560	J. R. Gleason		$2,104 33	2,104 33	515.6	832.7	275.8
Granite . .	Second street, from Green to Chestnut		B. E. Cassilly		1,311 42	1,311 42			
Asphalt . .	Second street, from Main to Green	1,050	Barber Asphalt P. Co.		14,769 49	14,769 49		1,895.0	3,314.5
Flagstone .	Gutters, both sides Ballard street	1,050	Bush & Weisenstein		932 95	932 95			
	To amount paid on pay rolls				429 98	429 98			
	To amount paid W. R. Davies, for granite blocks				12,167 00	12,167 00			
	To amount paid Grainger & Co., for iron plates				472 33	472 33			
	To amount paid Scott Newman, for sand				14 50	14 50			
	To amount paid M. Berger, for brick				61 50	61 50			
	To amount paid Utica Lime Co., for cement				41 75	41 75			
	Total	4,436		$7,525 23	$32,305 25	$39,830 48	4,118.0	6,282.7	826.1

RECAPITULATION.

Construction, Macadam	0.34 miles.	$7,525 23
Reconstruction, Granite	0.10 miles.	2,104 33
Reconstruction, Asphalt	0.20 miles.	14,769 49
Reconstruction, Gutters	0.20 miles.	932 95
Total	0.84 miles.	$25,332 00
Add amount pay rolls, etc		6,973 25
Total		$32,305 25

STATEMENT No. II.—Continued.

SHOWING WORK ON STREETS CONSTRUCTED AND RECONSTRUCTED IN 1885 AND 1886 IN THE WESTERN DISTRICT.

Nature of Work.	LOCALITY.	Lineal Feet.	Contractor.	Property Pays.	City Pays.	Total.	No. Yards Grading.	No. Feet Curbing.	No. Squares Paving.
Macadam	Twenty-fifth street, south line of Market to north line of Jefferson street	498.3	J. R. Gleason	$2,797 99		$2,797 99		1,001.8	184.5
Macadam	Thirtieth street, north line of Montgomery to south line of High avenue	694.0	Gleason & Gosnell	1,589 92		1,589 92	1,045.0	538.5	96.9
Granite	Market street, from Third to Seventh	1,380.0	Fred Zabel		$4,993 74	4,993 74			
Granite	Eleventh street, from Main to Broadway		D. F. Fleming		3,534 95	3,534 95			
Granite	Jefferson street, from Third to Fifth		B. E. Cassilly		1,236 21	1,236 21			
Granite	Fifth street, from Main to Jefferson		B. E. Cassilly		476 26	476 26			
Granite	Jefferson street, from Fifth to Seventh		Fred Zabel		3,674 25	3,674 25			
Bowlder	Ninth street, from Main to Broadway	3,795.0	City Force		8,645 97	8,645 97			
Flagstone	Gutter, both sides Ninth, Main to Broadway	7,590.0	M. Gleason		4,956 07	4,956 07			
Flagstone	Gutter, both sides Eighth, Broadway to Lexington street	2,670.0	Fred Zabel		2,032 12	2,032 12			
Flagstone	Gutter, both sides Green, from Ninth to Tenth streets	840.0	Bush & Weisenstein		640 53	640 53			
Flagstone	Gutter, Rudd avenue, from Thirty-third to Thirty-fourth streets	840.0	C. Knoblock		1,071 87	1,071 87			
Flagstone	Gutter, Sixth street, from Market to Jefferson		J. Jamison		169 14	169 14			
Flagstone	Gutter, both sides Fifteenth street, from Broadway to Lexington	3,030.0	H. A. Meyer		1,392 30	1,392 30			
	To amount paid on pay rolls				876 93	876 93			
	To amount paid W. R. Davis for granite blocks				26,329 80	26,329 80			
	To amount paid R. Snowden Andrews, granite blocks				14,078 38	14,078 38			
	To amount paid Grainger & Co., iron plates				472 00	472 00			
	To amount paid Utica Lime Co., cement				56 05	56 05			
	To amount paid Bush & Weisenstein, for curb				60 00	60 00			
	Carried forward	21,337.3		$4,387 91	$74,696 57	$79,084 48	1,045.0	1,540.3	281.4

STATEMENT No. II.—Continued.

Nature of Work.	LOCALITY.	Lineal Feet.	Contractor.	Property Pays.	City Pays.	Total.	No. Yards Grading.	No. Feet Curbing.	No. Squares Paving.
	Brought forward	21,337.3		$4,387 91	$74,696 57	$79,084 48	1,045.0	1,540.3	281.4
	To amount paid Scott Newman, for sand and gravel				14 50	14 50			
	To amount paid C. P. Selvage, for curb				6 60	6 60			
	To amount paid M. Berger, for brick				61 00	61 00			
	Total	21,337.3		$4,387 91	$74,778 67	$79,166 58	1,045.0	1,540.3	281.4

RECAPITULATION.

Construction, Macadam	0.22 miles.	$4,387 91
Reconstruction, Granite	0.24 miles.	13,915 41
Reconstruction, Bowlder	0.74 miles.	8,645 97
Reconstruction, Gutters	2.83 miles.	10,262 03
Total	4.03	37,211 32
Add amount pay rolls, etc		41,955 26
Total		$79,166 58

STATEMENT No. III.

SHOWING WORK ON SIDEWALKS APPORTIONED AND REPORTED IN 1885 AND 1886 IN THE EASTERN DISTRICT.

Nature of Work.	LOCALITY.	Lineal Feet.	Contractor.	Property Pays.	City Pays.	Total.	No. Yards Grading.	No. Feet Curbing.	No. Squares Paving.
Brick . . .	Sidewalk, west side Second street, between Green street and 100 feet south	100	J. R. Long	$85 42	. . . . .	$85 42	24.0	. . . . .	144.4
Brick . . .	Sidewalk, west side Second street, between Ormsby avenue and 534 feet south	534	J. R. Long	233 52	. . . . .	233 52	87.0	. . . . .	400.8
Brick .	Sidewalk, north side Kentucky, between Clay and Shelby streets	480	H. A. Meyer	144 64	. . . . .	144 64	38.0	. . . . .	259.9
Brick . . .	Sidewalk, west side Logan, between Cane and Milk streets	480	H. A. Meyer	114 62	. . . . .	114 62	41.0	. . . . .	189.5
Brick . . .	Sidewalk, north side Washington, between Hancock and Clay streets	480	W. H. Cornell	26 79	. . . . .	26 79	13.4	. . . . .	61.1
	Total	2,074	. . . . .	$604 99	. . . . .	$604 99	203.4	. . . . .	1,055.7

RECAPITULATION.

Sidewalks constructed . . . . . 0.39 miles. $604 99

STATEMENT No. III.—Continued.

SHOWING WORK ON SIDEWALKS APPORTIONED AND REPORTED IN 1885 AND 1886 IN THE WESTERN DISTRICT.

Nature of Work.	LOCALITY.	Lineal Feet	Contractor.	Property Pays.	City Pays.	Total.	No. Yards Grading.	No. Feet Curbing.	No. Squares Paving.
Brick . . .	Sidewalk, west side of Fourth, between Green and Walnut streets	100.0	W. H. Cornell	$98 90	. . . . .	$98 90	25.9	. . . .	195.2
Brick . . .	Sidewalk, south side of Oak, between Nashville avenue and Twelfth street	480.0	Jos. Nevin	911 32	. . . . .	911 32	213.6	. . . . .	1,212.4
Brick . . .	Sidewalk, west side of Third, between Oak and a point 263 feet and 10 inches north	263.1	J. R. Long	126 35	. . . . .	126 35	49.0	. . . . .	301.3
Brick . . .	Sidewalk, south side of Bank, between Twenty-sixth and Twenty-first streets	2,200.0	J. W. Hedderman .	759 26	. . . . .	759 26	434.7	. . . . .	1,313.3
Brick . . .	Sidewalk, south side of Griffith avenue, between Twentieth and Twenty-first streets	480.0	J. R. Long	83 84	. . . . .	83 84	26.2	. . . . .	157.2
Brick . . .	Sidewalk, east side of Twentieth, between Madison and Chestnut streets	100.0	W. H. Cornell	53 26	. . . . .	53 26	12.5	. . . . .	75.2
Brick . . .	Sidewalk, south side of Market between Twenty-fourth and Twenty-fifth streets	480.0	H. A. Meyer	192 93	. . . . .	192 93	64.3	. . . . .	353.7
Brick . . .	Sidewalk, west side of Third, between Weissinger and Magnolia avenues	480.0	H. A. Meyer	328 66	. . . . .	328 66	68.6	. . . . .	599.5
Brick . . .	Sidewalk, east side of Twenty-fifth, between Main and Rowan streets	480.0	J. R. Long	206 81	. . . . .	206 81	137.1	. . . . .	361.4
Brick . . .	Sidewalk, south side of Dumesnil, between Eleventh and Twelfth streets	480.0	J. R. Long	253 84	. . . . .	253 84	181.4	. . . . .	431.5
	Total	5,543.1	. . . . .	$3,015 17	. . . . .	$3,015 17	1,213.3	. . . . .	4,980.7

RECAPITULATION.

Construction, sidewalks . . . . . 1.05 miles. $3,015 17

STATEMENT No. IV.

SHOWING WORK ON WELLS APPORTIONED AND REPORTED IN 1885 AND 1886.

EASTERN DISTRICT.

LOCALITY.	Material.	Contractor.	Property Pays.
Intersection of Logan and Rupp .	Cement Pipe .	W. H. Slaughter	$175 00

WESTERN DISTRICT.

LOCALITY.	Material.	Contractor.	Property Pays.
Intersection of Thirty-eighth and High avenue	Cement Pipe .	C. E. Hilton.	$170 00
Intersection of Thirty-third and Bank street	Cement Pipe .	W. H. Slaughter	180 00
Intersection of Thirty-fifth and High avenue	Cement Pipe .	W. H. Slaughter	180 00
Intersection of Mercer and Magazine streets	Cement Pipe .	W. H. Slaughter	165 00
Intersection of Thirty-seventh and Bank streets	Cement Pipe .	W. H. Slaughter	175 00
Intersection of Chestnut street, and first alley west of Twenty-second.	Cement Pipe .	W. H. Slaughter	170 00
Total	. . . . .	. . . . .	$1,040 00

RECAPITULATION.

Cost, Eastern District	$175 00
Cost, Western District	1,040 00
Total	$1,215 00

STATEMENT No. V.

SHOWING WORK ON CISTERNS APPORTIONED AND REPORTED IN 1885 AND 1886.

EASTERN DISTRICT.

LOCALITY.	Contractor.	Property Pays.	No. of Barrels.	Pounds of Casting.	Squares of Paving.
Intersection of Baxter avenue and Hull streets . .	H. R. Meyer .	$509 40	300	720	6.6
Intersection of Preston and St. Catherine streets . .	J. R. Long .	419 52	300	700	2.8
Intersection of Vine and Lampton streets	Jos. Nevin .	515 88	300	718	2.7
Total	. . . . .	$1,444 80	900	2,138	12.1

WESTERN DISTRICT.

LOCALITY.	Contractor.	Property Pays.	No. of Barrels.	Pounds of Castings.	Squares of Paving.
Intersection of Sixteenth and Madison streets	H. A. Meyer .	$431 13	300	719	2.6
Intersection of Nineteenth and Magazine streets . .	H. A. Meyer .	462 14	300	1,399	2.6
Intersection of Main and Twenty-fifth streets . . .	Jos. Nevin .	415 28	300	721	2.8
Intersection of Thirty-second and High avenue	Jos. Nevin .	442 58	300	721	2.8
Intersection of Grayson, bet. Mercer and Twenty-second	B. E. Cassilly	297 65	200	719	1.9
Intersection of Twentieth and Jefferson streets . .	B. E. Cassilly	299 95	200	721	2.2
Intersection of Sixteenth and Market streets	B. E. Cassilly	305 66	200	720	2.3
Intersection of Mercer and Walnut streets	B. E. Cassilly	299 90	200	720	2.3
Intersection of Thirty-eighth and High avenue	H. A. Meyer .	352 36	300	720	2.8
Total	. . . . .	$3,306 65	2,300	7,160	22.3

RECAPITULATION.

Eastern District	$1,444 80	900	2,138	12.1
Western District	3,306 65	2,300	7,160	22.3
Total	$4,751 45	3,200	9,298	34.4

STATEMENT No. VI.

SHOWING AMOUNT EXPENDED AND CHARGED TO STREET REPAIRS IN THE EASTERN DISTRICT IN 1885 AND 1886.

Amount paid on pay rolls	$17,645 44
Amount paid City Work House for broken stone	7,175 22
Amount paid H. A. Meyer for broken stone	429 79
Amount paid W. R. Davis for broken stone	41 80
Amount paid C. P. Selvage for broken stone	30 00
Amount paid F. Zabel for broken stone	66 80
Amount paid Val. Hanck for broken stone	338 80
Amount paid A. D. Mulliken for broken stone	59 85
Amount paid Peter Wilson for broken stone	92 97
Amount paid P. Gernert for broken stone	87 17
Amount paid Geo. Fast for flagstone	29 72
Amount paid B. E. Cassilly for stone	52 70
Amount paid City Work House for block stone	187 20
Amount paid V. Humpitch for crossing stone	27 93
Amount paid Bush & Weisenstein for curb	73 50
Amount paid A. D. Mulliken for gravel	778 17
Amount paid J. Jamison for gravel	41 80
Amount paid J. Kreiger for gravel	48 60
Amount paid F. Fisher for gravel	50 00
Amount paid C. P. Selvage for gravel	993 95
Amount paid F. A. Perkins for gravel	17 50
Amount paid Jos. Nevin for gutter stone	75 87
Amount paid W. R. Davis for gutter stone	236 88
Amount paid C. P. Selvage for bowlders	222 25
Amount paid Peter Bitzer for bowlders	190 00
Amount paid J. R. Gleason for bowlders	170 00
Amount paid D. Burt for bowlders	78 26
Amount paid Ohio Valley Press Brick Co. for brick	455 30
Amount paid J. L. Berry for hardwood blocks	700 00
Amount paid C. P. Selvage for hardwood blocks	664 84
Amount paid H. A. Meyer for paving stone	5 97
Amount paid S. F. Harlan for pump work	152 87
Amount paid L. Eckstenkemper for lumber	234 94
Amount paid Peaslee, Gaulbert & Co. for oil	24 35
Amount paid Geo. B. Bahr & Co. for hardware	79 40
Amount paid Rankin-Snyder Co. for hardware	23 10
Amount paid Louisville Transfer Co. for carriage hire	11 75
Amount paid Peter Brown for tool repairs	76 55
Amount paid V. Humpitch for extra work on Bancroft street	97 10
Amount paid J. R. Long for filling cistern	22 00
Amount paid J. Webber for rent of lot	200 00
Amount paid J. DeGarmo for draining pond	3 00
Amount paid F. Gleason for extra work on Park Place	5 22
Amount paid T. H. Taylor for tool repairs	2 62
Total	$32,001 18

RECAPITULATION.

Total cost macadam pavements	$15,307 00
Total cost bowlder pavements	5,412 05
Total cost wooden pavements	3,360 02
Total cost gutters and alleys	7,922 10
Total cost	$32,001 18

STATEMENT No. VI.—Continued.

SHOWING AMOUNT EXPENDED AND CHARGED TO STREET REPAIRS IN WESTERN DISTRICT IN 1885 AND 1886.

Amount paid on pay rolls	$18,218 51
Amount paid Gleason and Gosnell for broken stone	7,060 19
Amount paid A. D. Mulliken for broken stone	186 06
Amount paid J. M. Nehan for broken stone	376 65
Amount paid M. Gleason for broken stone	1,035 98
Amount paid Val Huck for broken stone	818 50
Amount paid T. Gleason for broken stone	1,194 30
Amount paid J. Weisenstein for broken stone	588 97
Amount paid C. P. Selvage for broken stone	2,085 30
Amount paid T. Mulliken for broken stone	398 30
Amount paid Wm. Crull for broken stone	118 00
Amount paid Joseph Nevin for broken stone	590 20
Amount paid H. A. Meyer for broken stone	69 20
Amount paid W. R. Davis for broken stone	97 00
Amount paid L. Saffran for broken stone	579 60
Amount paid C. Ellsner for broken stone	206 60
Amount paid T. P. Shanks for broken stone	120 00
Amount paid Jerry Bate for broken stone	502 70
Amount paid F. Zabel for broken stone	122 80
Amount paid J. Schatzer for broken stone	99 10
Amount paid J. Brislen for broken stone	47 80
Amount paid M. J. McCabe for broken stone	35 50
Amount paid M. Nelson for broken stone	89 30
Amount paid J. R. Gleason for broken stone	156 53
Amount paid A. D. Mulliken for gravel	533 75
Amount paid J. P. McCollum for gravel	159 60
Amount paid M. Gleason for gravel	26 60
Amount paid J. R. Gleason for gravel	8 40
Amount paid C. P. Selvage for gravel	821 05
Amount paid Scott Newman for gravel	263 65
Amount paid J. L. Clemmons for gravel	53 55
Amount paid Wm. Patterson for gravel	19 50
Amount paid Ben Pulford for gravel	128 80
Carried forward	$36,811 99

Brought forward	$36,811 99
Amount paid J. W. Hedderman for gravel	70 35
Amount paid M. J. Carey for gravel	33 60
Amount paid M. Gleason for block stone	29 43
Amount paid T. Gleason for footway stone	20 85
Amount paid Fred Zabel for footway stone	20 00
Amount paid J. Jamison for footway stone	41 00
Amount paid George Fast for gutter stone	157 00
Amount paid W. R. Davis for gutter stone	117 35
Amount paid Geo. B. Bahr & Co. for hardware	62 45
Amount paid Rankin-Snyder Co. for hardware	65 95
Amount paid Peaslee, Gaulbert & Co. for oil	6 00
Amount paid Ohio Valley Press Brick Co. for brick	250 30
Amount paid Joseph Gault for lumber	330 63
Amount paid T. Meikle for rammers	16 00
Amount paid S. F. Harlan for pump work	150 00
Amount paid Joseph Nevin for extra work on alleys	51 53
Amount paid J. R. Gleason for extra work on alleys	100 97
Amount paid J. R. Gleason for extra work on alleys	87 40
Amount paid F. Zabel for extra work on alleys	15 35
Amount paid H. A. Meyer for extra work on alleys	32 06
Amount paid C. P. Selvage for hardwood blocks	798 83
Amount paid J. L. Berry for hardwood blocks	472 00
Amount paid C. P. Selvage for bowlder	1,214 44
Amount paid Utica Lime Co. for cement	31 23
Amount paid M. Gleason for curbing	21 35
Amount paid Mehler & Eckstenkemper for lumber	128 96
Amount paid M. Berger for brick	14 00
Amount paid F. Haack for tool repairs	124 90
Amount paid P. Brown for tool repairs	20 39
Amount paid O'Neil & Co. for use of float	56 00
Total	$41,352 31

RECAPITULATION.

Total cost macadam pavements	$18,839 27
Total cost bowlder pavements	7,924 16
Total cost wooden pavements	3,408 43
Total cost gutters and alleys	11,180 45
Total cost of repairs	$41,352 31

STATEMENT No. VII.

SHOWING AMOUNT EXPENDED AND CHARGED TO ENGINEER'S DEPARTMENT IN 1885 AND 1886.

Amount paid on pay roll	$11,765 62
Amount paid Huber and Allison	1 55
Amount paid T. E. Lindsay	2 25
Amount paid B. F. Rodgers	28 75
Total	$11,798 17

STATEMENT No. VIII.

SHOWING AMOUNT EXPENDED AND CHARGED TO PRINTING AND STATIONERY IN 1885 AND 1886.

Amount paid Bradley & Gilbert Co.	$161 25
Amount paid John P. Morton & Co.	33 25
Amount paid Courier-Journal Printing Co.	113 20
Total	$307 70

STATEMENT No. IX.

SHOWING AMOUNT EXPENDED AND CHARGED TO INCIDENTAL EXPENSES IN THE YEAR 1885 AND 1886.

Amount paid on pay roll for cut-off bridge	$54 61
Amount paid E. Pohl for painting fence	96 00
Amount paid J. Miller for lighting lamps	33 50
Amount paid on pay roll for sewer repair force	292 00
Amount paid Mehler & Eckstenkemper for lumber	447 53
Amount paid P. H. Morrill for painting	16 00
Amount paid T. Best for lighting lamps	26 75
Total	$966 39

STATEMENT No. X.

SHOWING COST OF FOOTWAY CROSSINGS CONSTRUCTED FROM SEPTEMBER 1, 1885, TO SEPTEMBER 1, 1886.

EASTERN DISTRICT.

Amount paid C. Knobloch, contractor	$57 68

WESTERN DISTRICT.

Amount paid Evansville & St. Louis Railway Co.	$12 00
Amount paid Corydon Stone Co.	63 04
Total	$75 04

RECAPITULATION.

Cost of footway crossings Eastern District	$57 68
Cost of footway crossings Western District	75 04
Total	$132 72

STATEMENT No. XI.

SHOWING AMOUNT PAID AND CHARGED TO WESTERN OUTFALL SEWER IN 1885 AND 1886.

Amount paid on pay roll for sewer repair force	$52 15
Amount paid Jos. Gault for lumber	59 75
Amount paid Utica Lime Co. for cement	9 55
Total	$121 45

STATEMENT No. XII.

AMOUNT EXPENDED FOR REPAIRS TO PUMPS, WELLS, AND CISTERNS FROM SEPTEMBER 1, 1885, TO SEPTEMBER 1, 1886.

EASTERN DISTRICT.

Amount paid Martin Haag for September	$159 25
Amount paid Martin Haag for October	200 95
Amount paid J. C. Oestreich for October	1 60
Amount paid Samuel Owen & Co. for October	25 00
Amount paid J. C. Oestreich for November	86 05
Amount paid J. C. Oestreich for December	91 15
Amount paid J. C. Oestreich for January	138 27
Amount paid S. F. Harlan for January	38 04
Amount paid S. F. Harlan for February	68 82
Amount paid S. F. Harlan for March	92 00
Amount paid S. F. Harlan for April	82 74
Amount paid S. F. Harlan for May	100 22
Amount paid S. F. Harlan for June	83 52
Amount paid S. F. Harlan for July	84 04
Amount paid S. F. Harlan for August	249 15
Amount paid M. J. Duffy for rope ladder	8 00
Amount paid M. Berger for brick	2 10
Amount paid on pay rolls for February	9 72
Amount paid Duffy & Kosiol for tube-well repairing, October	15 60
Amount paid Duffy & Kosiol for tube-well repairing, November	31 00
Amount paid Duffy & Kosiol for tube-well repairing, December	32 00
Amount paid Duffy & Kosiol for sinking galvanized iron tube-well at Jackson and Broadway streets	165 07
Amount paid R. A. Robinson for bottles	1 50
Amount paid Duffy & Kosiol for tube-well repairs, January	28 10
Amount paid S. F. Harlan for tube-well repairs, January	6 60
Amount paid S. F. Harlan for tube-well repairs, February	18 00
Amount paid S. F. Harlan for tube-well repairs, March	18 00
Amount paid S. F. Harlan for tube-well repairs, April	18 00
Amount paid S. F. Harlan for tube-well repairs, May	18 00
Amount paid S. F. Harlan for tube-well repairs, June	18 00
Amount paid S. F. Harlan for tube-well repairs, July	18 00
Amount paid S. F. Harlan for tube-well repairs, August	71 19
Amount paid S. F. Harlan for sinking galvanized iron tube-well at Second and Guthrie streets	174 98
Amount paid S. F. Harlan for sinking galvanized iron tube-well at Milk and railroad crossing	118 25
Amount paid S. F. Harlan for sinking galvanized iron tube-well at Campbell and Green streets	153 25
Amount paid S. F. Harlan for sinking galvanized iron tube-well at Clay and Fulton streets	171 23
Amount paid on pay roll for October	38 03
Carried forward	$2,635 42

Brought forward	$2,635 42
Amount paid on pay roll for November	173 03
Amount paid on pay roll for January	24 91
Amount paid on pay roll for February	14 78
Amount paid on pay roll for April	94
Amount paid on pay roll for June	743 02
Amount paid on pay roll for July	119 10
Amount paid on pay roll for August	219 96
Amount paid P. Bannon for stoneware pipe	5 60
Amount paid M. Berger for brick	73 50
Amount paid Utica Lime Co. for cement	352 90
Amount paid Scott Newman for sand	40 00
Amount paid Grainger & Co. for cast and wrought iron	5 85
Amount paid John R. Gleason for broken stone	4 50
Amount paid Mayer & Hillenbrand for brick	149 23
Amount paid Jacob Krieger, Sr., for brick	424 45
Total	$4,987 19

WESTERN DISTRICT.

Amount paid J. C. Oestreich for September	$183 66
Amount paid J. C. Oestreich for October	262 45
Amount paid J. C. Oestreich for November	188 80
Amount paid J. C. Oestreich for December	172 95
Amount paid J. C. Oestreich for new stocks in wells, viz:	
Well at Thirty-eighth and High streets	58 90
Well at Thirty-third and Bank streets	52 60
Well at Thirty-fifth and High streets	62 10
Well at Mercer and Magazine streets	49 75
Amount paid J. C. Oestreich for January	172 32
Amount paid S. F. Harlan for January	35 76
Amount paid S. F. Harlan for February	83 31
Amount paid S. F. Harlan for March	113 64
Amount paid S. F. Harlan for April	159 36
Amount paid S. F. Harlan for May	177 57
Amount paid S. F. Harlan for June	161 69
Amount paid S. F. Harlan for July	201 35
Amount paid S. F. Harlan for August	227 33
Amount paid S. F. Smith for repairs to well at Thirtieth and Portland avenue	13 20
Amount paid R. A. Robinson for bottles	1 50
Amount paid M. J. Duffy for rope ladder	8 00
Amount paid W. H. Slaughter for iron drum and deepening wells at Thirtieth and Portland avenue	27 50
Amount paid J. C. Oestreich for taking out pump stock in front of new Museum W. S. Fourth, bet. Walnut and Chestnut	8 00
Amount paid Duffy & Kosiol for tube-well repairs, September	8 60
Carried forward	$2,430 34

Brought forward	$2,430 34
Amount paid Duffy & Kosiol for tube-well repairs, October	32 45
Amount paid Duffy & Kosiol for tube-well repairs, November	28 00
Amount paid Duffy & Kosiol for tube-well repairs, December	28 00
Amount paid Duffy & Kosiol for tube-well repairs, January	22 40
Amount paid S. F. Harlan for tube-well repairs, January	6 60
Amount paid S. F. Harlan for tube-well repairs, February	18 00
Amount paid S. F. Harlan for tube-well repairs, March	18 00
Amount paid S. F. Harlan for tube-well repairs, April	18 00
Amount paid S. F. Harlan for tube-well repairs, May	18 00
Amount paid S. F. Harlan for June	18 00
Amount paid S. F. Harlan for July	18 00
Amount paid S. F. Harlan for August	51 79
Amount paid S. F. Harlan for sinking galvanized iron tube-well at Eighth and Cawthon streets	171 63
Amount paid on pay roll for October	51 67
Amount paid on pay roll for November	2 89
Amount paid on pay roll for December	14 65
Amount paid on pay roll for February	8 55
Amount paid on pay roll for March	55 61
Amount paid on pay roll for April	4 31
Amount paid on pay roll for May	211 83
Amount paid on pay roll for June	4 26
Amount paid on pay roll for July	101 96
Amount paid on pay roll for August	391 13
Amount paid Utica Lime Co. for cement	133 85
Amount paid M. Berger for brick	240 10
Amount paid Scott Newman for sand	40 00
Amount paid Grainger & Co. for cast and wrought iron	21 20
Total	$4,161 22

SUMMARY.

Eastern District, pumps	$1,520 62	
Eastern District, wells	1,076 77	
Eastern District, cisterns	2,389 80	
		$4,987 19
Western District, pumps	2,421 74	
Western District, wells	457 47	
Western District, cisterns	1,282 01	
		4,161 22
Total		$9,148 41

STATEMENT No. XIII.

SHOWING EXPENDITURES ON SEWERS FROM SEPTEMBER 1, 1885, TO SEPTEMBER 1, 1886.

EASTERN DISTRICT.

Repairs to inlets and catch basins—		
Amount paid on pay roll for sewer repair force .	$278 45	
Amount paid Pat Bannon for stoneware pipe . .	4 20	
Amount paid Utica Lime Co. for cement	6 10	
		$288 75
Cleaning stoneware pipe sewers—		
Amount paid on pay roll for sewer repair force		2 13
Culverts, drains, and ditches –		
Amount paid on pay roll for sewer repair force		15 43
Highland avenue sewer—		
Amount paid W. J. Golden, estimate No. 16 . .	709 64	
Amount paid W. J. Golden, estimate No. 17 . .	3,327 29	
Amount paid W. J. Golden, estimate No. 18 . .	533 17	
Amount paid W. J. Golden, estimate No. 19 . .	3,516 00	
Amount paid W. J. Golden, estimate No. 20 . .	1,210 38	
Amount paid W. J. Golden, estimate No. 21 . .	805 99	
Amount paid W. J. Golden, estimate No. 22 . .	1,041 71	
Amount paid Utica Lime Co. for cement	270 10	
Amount paid Jos. Gault & Son for lumber . . .	26 32	
Amount paid Grainger & Co. for cast and wrought iron	22 39	
		$11,462 99
Repairs to sewers and man holes—		
Amount paid on pay roll for sewer repair service .	1,181 93	
Amount paid M. Berger for brick	54 95	
Amount paid Grainger & Co. for cast and wrought iron	216 74	
Amount paid Scott Newman, Jr., for sand and gravel	131 50	
Amount paid Rankin-Snyder Hardware Co. for hardware	10 25	
Amount paid Utica Lime Co. for cement	105 53	
Amount paid James A. Brewster for stone and curbing	44 54	
Amount paid Jacob Ernwine for hardware . . .	1 50	
Amount paid Peaslee-Gaulbert Co. for oil	1 50	
Amount paid Pat Bannon for stoneware pipe . .	28 40	
Amount paid Jos. Gault & Son for lumber . . .	36 63	
Amount paid N. U. Walker Clay Manufacturing Co. for cement	25 00	
Amount paid Joseph Nevin for curbing	20 00	
Carried forward	$1,858 47	$11,769 30

Brought forward	$1,858 47	$11,769 30
Amount paid Bush & Weisenstein for curbing . .	38 10	
Amount paid Mehler & Eckstenkemper for lumber.	66 20	
Amount paid Geo. B. Bahr & Co. for hardware .	8 70	
Amount paid Jacob Kreiger, Sr., for brick . . .	39 00	
		2,010 47
Reconstructing four catch basins and building one new one at Second and Market streets—		
Amount paid on pay roll for sewer repair force .	59 50	
Amount paid M. Berger for brick	14 70	
Amount paid H. A. Meyer for drip stones . . .	1 75	
Amount paid Grainger & Co. for cast and wrought iron	56 98	
Amount paid Scott Newman, Jr., for sand . . .	3 00	
Amount paid Pat Bannon for stoneware pipe . .	5 28	
Amount paid Utica Lime Co. for cement	7 25	
		148 46
Building two new catch basins at Brent and Broadway streets—		
Amount paid on pay roll for sewer repair force .	64 20	
Amount paid H. Egelhoff & Bro. for brick . . .	18 20	
Amount paid Geo. Fast for curb and drip stone .	11 20	
Amount paid Grainger & Co. for cast and wrought iron	21 83	
Amount paid Scott Newman, Jr., for sand . . .	5 00	
Amount paid Pat Bannon for stoneware pipe . .	12 80	
Amount paid Utica Lime Co. for cement	11 50	
		144 73
Reconstructing one catch basin at Baxter avenue and Green streets—		
Amount paid on pay roll for sewer repair force .	18 68	
Amount paid Thos. Gleason for curbing and drip stones	11 00	
Amount paid Grainger & Co. for cast and wrought iron	11 10	
		40 78
Building one catch basin at Baxter and Hamilton avenues—		
Amount paid on pay roll for sewer repair force .	19 00	
Amount paid Thos. Gleason for curb and drip stones	10 65	
Amount paid M. Berger for brick	4 90	
Amount paid Grainger & Co. for cast and wrought iron	11 36	
Amount paid Scott Newman, Jr., for sand . . .	1 00	
Amount paid Pat Bannon for stoneware pipe . .	14 96	
		61 87
Carried forward		$14,175 61

Brought forward		$14,175 61
Reconstructing catch basins at Wenzel and Washington and Wenzel and Market streets—		
Amount paid on pay roll for sewer repair force		6 35
Reconstructing two catch basins at Second and Market and Second and Jefferson streets—		
Amount paid on pay roll for sewer repair force .	$57 75	
Amount paid Grainger & Co. for cast and wrought iron	45 32	
Amount paid Scott Newman, Jr., for sand	5 00	
Amount paid Utica Lime Co. for cement	7 25	
Amount paid M. Berger for brick	4 90	
		120 22
Building two new catch basins at Second and Market and Second and Jefferson streets—		
Amount paid on pay roll for sewer repair force .	66 70	
Amount paid John Knower for curbing and drip stones	17 67	
Amount paid M. Berger for brick	19 60	
Amount paid Grainger & Co. for cast and wrought iron	22 01	
Amount paid Scott Newman, Jr., for sand	2 00	
Amount paid Pat Bannon for stoneware pipe . .	23 40	
Amount paid Utica Lime Co. for cement	11 50	
		162 88
Building two new catch basins at Baxter and Hamilton avenues—		
Amount paid on pay roll for sewer repair force .	79 95	
Amount paid Thos. Gleason for curb and drip stones	24 40	
Amount paid M. Berger for brick	19 60	
Amount paid Grainger & Co. for cast and wrought iron	22 39	
Amount paid Scott Newman, Jr., for sand	4 00	
Amount paid Pat Bannon for stoneware pipe . .	29 60	
Amount paid Utica Lime Co. for cement	11 50	
		191 44
Building five new catch basins at Fifth and Jefferson streets—		
Amount paid on pay roll for sewer repair force .	79 65	
Amount paid M. Berger for brick	24 50	
Amount paid Grainger & Co. for cast and wrought iron	56 52	
Amount paid H. C. Meyer for curb and drip stones	8 75	
Amount paid Scott Newman, Jr., for sand	5 00	
Amount paid Pat Bannon for stoneware pipe . .	29 20	
		203 62
Carried forward		$14,860 12

Brought forward		$14,860 12
Building four new catch basins at Floyd and St. Catherine streets—		
Amount paid on pay roll for sewer repair force	$107 99	
Amount paid Pat Bannon for stoneware pipe	42 00	
Amount paid Scott Newman for sand	8 00	
Amount paid Utica Lime Co. for cement	23 00	
Amount paid M. Berger for brick	39 20	
		220 19
Building one new catch basin at Geiger between Campbell and Wenzel streets—		
Amount paid on pay roll for sewer repair force	14 80	
Amount paid Geo. Fast for curbing and drip stones	7 00	
Amount paid Utica Lime Co. for cement	6 25	
Amount paid Pat Bannon for stoneware pipe	15 96	
		44 01
Reconstructing two catch basins at North-west and South-west corner Wenzel and Main streets—		
Amount paid on pay roll for sewer repair force	41 99	
Amount paid Utica Lime Co. for cement	6 25	
Amount paid Scott Newman, Jr., for sand	2 00	
		50 24
Total		$15,174 56

SUMMARY.

Sewers	$11,462 99
Repairs to sewers and man holes	2,010 47
Repairs to inlets and catch basins	288 75
Cleaning stoneware pipe sewers	2 13
Culverts, drains, and ditches	15 43
Construction	1,394 79
Grand Total	$15,174 56

STATEMENT No. XIII.—Continued.

WESTERN DISTRICT.

Repairs to inlets and catch basins—		
Amount paid on pay roll for sewer repair force .	$205 73	
Amount paid Fred Zabel for sand	2 00	
Amount paid Utica Lime Co. for cement	6 25	
Amount paid P. Bannon for stoneware pipe . . .	6 40	
Amount paid Grainger & Co. for cast and wrought iron	28 86	
Amount paid M. Berger for brick	4 90	
		$254 14
Western outfall sewer—		
Amount paid on pay roll for sewer repair force .	52 15	
Amount paid Jos. Gault & Son for lumber . . .	59 75	
Amount paid Utica Lime Co. for cement	9 55	
		121 45
Culverts, drains, and ditches—		
Amount paid on pay roll for sewer repair force .	106 21	
Amount paid Pat Bannon for stoneware pipe . .	55 68	
Amount paid Scott Newman, Jr., for sand	1 00	
		162 89
Repairs to sewers and man holes—		
Amount paid on pay roll for sewer repair force .	893 93	
Amount paid M. Berger for brick	119 35	
Amount paid Rankin-Snyder Hardware Co. for hardware	17 61	
Amount paid Peaslee, Gaulbert & Co. for coal oil .	1 50	
Amount paid Grainger & Co. for cast and wrought iron	275 52	
Amount paid Pat Bannon for stoneware pipe . .	10 80	
Amount paid Jos. Gault & Son for lumber . . .	51 75	
Amount paid Scott Newman, Jr., for sand and gravel	107 10	
Amount paid Jacob Ernwine for hardware . . .	1 50	
Amount paid M. Gleason for curbing	6 65	
Amount paid James A. Brewster for curbing . .	32 00	
Amount paid Utica Lime Co. for cement	147 67	
Amount paid Jenkins, Kosiol, and Vonhoven for iron rods	1 95	
Amount paid N. U. Walker Clay Co. for cement .	26 70	
Amount paid Jos. Nevin for curbing and drip stones	19 90	
Amount paid Mehler & Eckstenkemper for lumber	38 00	
Amount paid Geo. B. Bahr & Co. for hardware .	17 35	
		1,769 28
Carried forward		$2,307 76

Brought forward		$2,307 76
Building two new catch basins at Ninth, between Chestnut and Magazine streets—		
Amount paid for sewer repair force on pay roll .	$52 45	
Amount paid Pat Bannon for stoneware pipe . .	22 80	
Amount paid Utica Lime Co. for cement	11 50	
Amount paid M. Gleason for curbing and drip stones	8 05	
Amount paid Scott Newman, Jr., for sand . . .	2 50	
Amount paid M. Berger for brick	19 60	
		116 90
Building two new catch basins at Ninth, between Chestnut and Madison streets—		
Amount paid on pay roll for sewer repair force .	47 79	
Amount paid Pat Bannon for stoneware pipe . .	22 80	
Amount paid Utica Lime Co. for cement	11 50	
Amount paid M. Berger for brick	19 60	
Amount paid M. Gleason for curbing and drip stones	22 26	
Amount paid Scott Newman, Jr., for sand . . .	2 50	
		126 45
Building two new catch basins at Ninth street, first alley north of Broadway street—		
Amount paid on pay roll for sewer repair force .	60 02	
Amount paid Pat Bannon for stoneware pipe . .	20 40	
Amount paid M. Gleason for curbing and drip stones	4 20	
Amount paid Utica Lime Co. for cement	11 50	
Amount paid M. Berger for brick	19 60	
Amount paid Grainger & Co. for cast and wrought iron	22 57	
Amount paid Scott Newman, Jr., for sand . . .	2 50	
		140 79
Building two new catch basins at Ninth street, first alley south of Magazine street—		
Amount paid on pay roll for sewer repair force .	56 23	
Amount paid Pat Bannon for stoneware pipe . .	18 60	
Amount paid Utica Lime Co. for cement	11 50	
Amount paid M. Berger for brick	19 60	
Amount paid M. Gleason for curbing and drip stones	6 30	
Amount paid Grainger & Co. for cast and wrought iron	11 17	
Amount paid Scott Newman, Jr., for sand . . .	2 50	
		125 90
Carried forward		$2,817 80

Brought forward		$2,817 80
Reconstructing two catch basins at the North-east and North-west cor. Ninth and Chestnut streets—		
Amount paid on pay roll for sewer repair force	$42 65	
Amount paid Grainger & Co. for cast and wrought iron	21 83	
Amount paid Scott Newman, Jr., for sand	4 00	
Amount paid M. Gleason for curbing and drip stones	18 93	
		87 41
Building one new catch basin at Oak, between Sixth and Seventh streets—		
Amount paid on pay roll for sewer repair force	43 65	
Amount paid R. Clarke for curbing and drip stones	9 30	
Amount paid Scott Newman, Jr., for sand	2 00	
Amount paid Pat Bannon for stoneware pipe	5 40	
Amount paid Utica Lime Co. for cement	6 25	
Amount paid M. Berger for brick	9 80	
		76 40
Building one new catch basin at W. S. Seventh, between Walnut and Grayson streets—		
Amount paid on pay roll for sewer repair force	43 63	
Amount paid Scott Newman, Jr., for sand	3 00	
Amount paid Pat Bannon for stoneware pipe	3 68	
Amount paid Utica Lime Co. for cement	6 25	
Amount paid Robert Clarke for curbing and drip stones	12 90	
Amount paid M. Berger for brick	9 80	
		79 26
Building one new catch basin E. S. Seventh and Dumesnil streets—		
Amount paid on pay roll for sewer repair force	32 60	
Amount paid M. Gleason for curbing and drip stones	12 68	
Amount paid Utica Lime Co. for cement	6 25	
Amount paid Pat Bannon for stoneware pipe	6 40	
Amount paid Jacob Krieger for brick	9 10	
Amount paid Scott Newman, Jr., for sand	7 00	
		74 03
Cleaning brick and pipe sewer—		
Amount paid Duffy & Kosiol for pipe and plunger		2 39
Total		$3,137 29

SUMMARY.

Reconstruction	$827 14
Repairs to inlets and catch basins	254 14
Repairs to sewers and man holes	1,769 28
Repairs to culverts, drains, and ditches	162 89
Cleaning brick and pipe sewers	2 39
Western outfall sewer	121 45
Total	$3,137 29

STATEMENT.

Showing the Number of Catch Basins Built to September 1, 1886.

	Eastern District.	Western District.	Total.
Number built previous to September 1, 1886	598	482	1,080
Number built from September 1, 1885, to September 1, 1886	15	11	26
Total	613	493	1,106

STATEMENT No. XIV.

Showing the Number and Amount of Private Drains for the Year Ending August 31, 1886.

The number of private drains connected with public sewers	137
Amount deposited by property holders	$5,034 35
Amount refunded to property holders	915 78
Total amount of cost of drains connected	$4,118 57
Average cost per drain	$30 06
Average length of drain (feet)	56

STATEMENT No. XV.

NUMBER OF BUILDINGS ERECTED AND ALTERED DURING FISCAL YEAR ENDING AUGUST 31, 1886.

MONTH.	Misc'ls Buil'ng.	Frame.	Brick.	Total.	Value.
September, 1885	26	66	24	116	$146,355 00
October	18	32	30	80	258,238 00
November	12	27	4	43	34,416 00
December	5	32	4	41	39,056 00
January, 1886	4	19	7	30	21,144 00
February	11	31	11	53	52,910 00
March	37	71	31	139	230,165 00
April	41	49	21	111	128,391 00
May	31	39	23	93	149,637 00
June	34	38	31	103	239,125 00
July	21	37	24	82	214,146 00
August	12	35	22	69	181,108 00
Total	252	476	232	960	$1,694,691 00

ALTERATIONS.

NUMBER OF BUILDINGS ALTERED DURING THE FISCAL YEAR ENDING AUGUST 31, 1886.

MONTH.	Frame.	Brick.	Total.	Value.
September, 1885	10	2	12	$2,125 00
October	14	7	21	7,750 00
November	9	3	12	1,395 00
December	3	. . .	3	87 00
January, 1886	4	2	6	1,225 00
February	4	2	6	4,600 00
March	18	7	25	6,550 00
April	16	6	22	6,480 00
May	9	8	17	8,905 00
June	8	3	11	7,780 00
July	18	10	28	17,755 00
August	15	5	20	5,125 50
Total	128	55	183	$59,777 50

STATEMENT No. XVI.

RECAPITULATION OF PRECEDING STATEMENTS.

FOR WHAT EXPENDED.	NUMBER OF MILES.	EASTERN DISTRICT.	WESTERN DISTRICT.	TOTAL.
Amount expended in constructing macadam streets		$7,525 23	$4 387 91	$11,913 14
Amount expended in reconstructing asphalt streets		14,769 49	. . . . .	14,769 49
Amount expended in reconstructing bowlder streets		. . . . .	8,645 97	8,645 97
Amount expended in reconstructing granite streets		3,415 75	13,915 41	17,331 16
Amount expended in reconstructing gutters, flagstones		932 95	10,262 03	11,194 98
Amount expended in constructing block stone alleys		4,293 74	. . . . .	4,293 74
Amount expended in constructing macadam alleys		868 88	3,720 84	4,589 72
Amount expended in constructing sidewalks		604 99	3,015 17	3,620 16
Amount expended in constructing wells		175 00	1,040 00	1,215 00
Amount expended in constructing cisterns		1,444 80	3,306 65	4,751 45
Amount expended on footway crossings		57 68	75 04	132 72
Amount expended on street repairs		32,001 18	41,352 31	73,353 49
Amount expended on pumps, wells, and cisterns		4,987 19	4,161 22	9,148 41
Amount expended cleaning and repairing sewers		3,711 57	3,137 29	6,848 86
Amount expended on Engineer Department		. . . . .	. . . . .	11,798 17
Amount expended on printing and stationery		. . . . .	. . . . .	307 70
Amount expended on incidental expense		. . . . .	. . . . .	966 39
Amount expended on western outfall sewer		. . . . .	. . . . .	121 45
Amount expended on construction of sewers		11,462 99	. . . . .	11,462 99
Total		$86,251 44	$97,019 84	$196,464 99

STATEMENT

SHOWING AMOUNT AND COST OF EACH ITEM OF CITY WORK APPOR

YEAR . . .	STREETS.		ALLEYS.		SIDEWALKS.		CISTERNS.	
	Property.	City.	Property.	City.	Property.	City.	Property.	City.
1850	$1,734 00	$5,166 30	$394 41	$791 86	. . . . .	. . . .	$354 50	. . . .
1851	27,554 23	5,603 79	4 142 15	71 45	. . . . .	. . . .	828 25	. . . .
1852	64,046 37	9,432 93	2,520 27	82 74	. . . . .	. . . .	1,293 97	. . . .
1853	66,371 26	13,473 18	3,372 38	105 06	$985 87	. . . .	2,157 27	. . . .
1854	134,692 84	50,806 11	10.602 29	935 95	. . . . .	$614 85	13,498 19	$1,304 61
1855	51,507 45	17,029 33	6,811 56	1,030 17	10,532 51	392 87	21,198 93	. . . .
1856	10,438 80	6,131 84	4,877 36	443 75	2,732 30	96 86	1,520 69	. . . .
1857	74,055 14	33,308 60	1,468 05	64 84	3,453 44	185 73	773 23	. . . .
1858	17,200 83	22,478 69	3,897 82	99 33	1,543 87	764 89	813 15	. . . .
1859	47,602 93	13,346 19	1,027 97	31 37	10,306 80	362 86	973 84	. . . .
1860	72,206 86	17,190 94	15,793 83	1,114 96	24,351 19	241 50	4,628 76	395 15
1861	9,949 88	2,596 70	. . . . .	. . . .	4,002 13	76 40	1,981 36	265 50
1862	13,168 79	3,146 47	1,441 64	155 55	1,025 57	284 64	784 43	. . . .
1863	19,700 44	12,621 16	. 829 56	822 56	12,379 61	1,501 55	226 40	. . . .
1864	40,277 82	34,833 16	3,717 36	4,116 87	14,243 79	772 29	581 22	. . . .
1865	62,808 85	82,242 71	16,830 28	531 81	21,063 06	1,798 37	8,290 27	867 04
1866	189,413 44	179,527 82	16,160 34	1,659 83	33,773 24	3,647 34	17,986 21	. . . .
1867	211,907 62	140,419 11	22,588 32	4,837 28	46,393 88	3,900 13	17 026 80	525 00
1868	163,802 70	50,370 08	802 35	13 20	15,102 54	2,032 02	3,104 00	251 00
1869	122,530 02	36,915 05	19,227 23	2,636 72	29.341 53	1,029 13	4,998 33	. . . .
1870	160,980 27	20,963 67	18,435 03	1,890 26	16,505 05	3,297 97	. . . . .	. . . .
1871	366,692 61	33,926 50	37,440 78	1,424 40	26,284 59	908 00	2,759 34	. . . .
1872	199,176 86	2,292 48	59,119 20	483 41	41,340 82	96 02	9.273 67	335 94
1873	223,209 43	30,540 94	59,309 27	1,639 49	18,079 41	230 67	12,728 23	158 88
1874	140,464 23	. . . . .	37,914 75	. . . .	30,523 57	77 97	6,010 61	. . . .
1875	122,054 57	. . . . .	20,128 83	. . . .	25.391 24	1,260 97	4,578 51	. . . .
1876	91,238 80	71,739 94	11,823 30	6,579 11	9,959 00	. . . .	3,291 15	. . . .
1877	40,255 40	. . . . .	5,936 35	. . . .	11,873 98	. . . .	1,657 28	. . . .
1878	22,199 62	. . . . .	13,327 48	. . . .	2,004 82	. . . .	694 56	. . . .
1879	28,947 82	. . . . .	6,031 05	. . . .	7,089 30	. . . .	297 31	. . . .
1880	18,205 89	. . . . .	2,775 27	. . .	12,005 89	. . . .	761 56	. . . .
1881	11,049 14	36,274 59	. . . . .	. . . .	10,466 49	. . . .	6,024 72	. . . .
1882	69,640 01	88,671 11	20,062 64	. . . .	10,106 10	. . . .	4,444 81	. . . .
1883	69,838 26	30,852 45	13,831 97	. . . .	10.592 45	. . . .	1,909 49	. . . .
1883–4	31,369 25	787,924 30	23,753 84	7,373 06	8,746 73	. . . .	5,862 79	. . . .
1884–5	60,095 96	143,500 42	17 117 25	. . . .	3.341 81	. . . .	7,928 72	. . . .
1885–6	11,913 44	99,558 69	8,883 46	. . . .	3,620 16	. . . .	4,751 45	. . . .

No. XVII.

TIONED AND ESTIMATED IN THIS OFFICE FROM 1850 TO 1886, INCLUSIVE.

WELLS.	BRIDGES.	WHARVES.	SEWERS.	DITCHES.	PUBLIC BUILDINGS.	CROSSINGS	TOTAL.
Property.	City.	City.	City.	City.	City.	City.	
$128 00	$2,019 60	. . . . .	$709 80	. . . . .	. . . . .	$404 41	$12,702 88
853 00	15,878 82	. . . . .	40 50	. . . . .	. . . . .	. . . . .	54,972 19
844 00	268 32	. . . . .	. . . . .	. . . . .	. . . . .	8,504 40	86,693 00
1,478 00	. . . . .	$6,817 00	205 00	. . . . .	. . . . .	224 21	95,589 44
3,290 00	825 00	300 00	1,084 48	. . . . .	. . . . .	2,114 37	228,068 68
2,073 00	148 84	. . . . .	105 60	$503 48	. . . . .	3,620 01	114,973 25
788 00	3,980 50	7,873 29	6,354 59	12,336 73	. . . . .	2,118 70	59,693 41
1,215 00	1,714 31	3,366 98	2,531 57	1,345 00	. . . . .	7,667 94	131,150 79
465 00	10,442 98	6,806 00	9,413 28	. . . . .	. . . . .	1,320 84	75,246 68
107 00	175 29	2,465 27	27,433 71	2,207 37	. . . . .	2,146 06	109,149 66
1,940 00	. . . . .	. . . . .	12,653 83	784 47	$21,972 15	35 85	173,313 49
937 00	. . . . .	. . . . .	1,589 59	. . . . .	. . . . .	304 82	21,703 38
400 00	944 79	. . . . .	943 13	. . . . .	822 50	987 36	24,106 87
1,353 00	30 50	14,274 09	13,293 10	426 93	9,212 86	106 64	87,078 40
1,135 00	. . . . .	. . . . .	17,897 69	. . . . .	. . . . .	4,514 09	122,089 29
4,794 00	760 55	. . . . .	39,760 89	2,995 93	10 50	1,211 65	243,965 91
5,645 00	3,045 00	47,634 78	10,479 62	1,327 06	9,518 72	4,198 78	524,017 44
3,932 00	9,253 80	93,524 46	156,623 32	739 80	8,930 23	23,713 25	747,365 00
2,444 00	8,828 76	38,204 95	67,025 57	3,971 47	547 00	2,184 55	358,664 79
3,273 00	13,798 69	1,172 18	80,624 86	. . . . .	. . . . .	16,791 88	331,918 62
1,520 00	4,431 05	6,398 17	76,128 84	. . . . .	City Hall	9,734 89	319,285 19
6,882 10	4,215 00	6,611 00	156,619 16	. . . . .	City Hall	9,672 80	643,700 48
4,849 00	8,196 41	7,394 01	225,308 11	. . . . .	City Hall	8,555 92	563,421 85
4,124 00	41,797 14	12,268 21	186,230 27	. . . . .	City Hall	29,568 49	629,884 43
8,294 00	. . . . .	9,804 52	84,184 83	. . . . .	13,811 25	22,116 37	352,202 10
4,052 00	. . . . .	386 58	93,101 60	. . . . .	420 42	20,225 97	291,600 69
2,206 00	. . . . .	. . . . .	49,524 61	. . . . .	. . . . .	10,826 59	257,188 67
2,790 00	. . . . .	. . . . .	64,056 01	. . . . .	. . . . .	7,314 93	133,883 43
2,590 00	. . . . .	. . . . .	6,624 55	. . . . .	. . . . .	3,890 42	51,331 45
2,083 00	. . . . .	. . . . .	3,743 28	. . . . .	. . . . .	4,000 35	52,247 11
1,238 00	. . . . .	. . . . .	32,489 71	. . . . .	. . . . .	3,469 72	71,026 04
890 00	. . . . .	. . . . .	6,996 00	. . . . .	. . . . .	2,064 51	73,765 45
2,067 90	. . . . .	. . . . .	13,700 05	. . . . .	. . . . .	3,634 47	212,327 00
1,217 00	. . . . .	. . . . .	21,812 24	. . .	. . . . .	1,358 16	151,447 02
1,356 42	. . . . .	. . . . .	215,136 47	. . . . .	. . . . .	1,810 02	1082,332 88
1,453 16	23,448 62	. . . . .	156,607 53	. . . . .	. . . . .	1,990 83	415,577 30
1,215 00	. . . . .	. . . . .	18,311 85	. . . . .	. . . . .	132 72	147,387 77

STATEMENT No.

YEAR.	RECONSTRUCTION.		REPAIRS.	
	Streets.	Alleys.	Streets.	Pumps, Wells, and Cisterns.
	$148,813 55	$5,762 24	$70,203 12	$2,675 28
	154 830 42	1,636 93	71,415 84	5,311 10
	38,466 01	9,938 05	98,660 61	6,301 43
	152,633 82	11,677 32	80,501 19	11,165 64
	42,012 04	2,895 93	55,307 00	7,979 10
	28,8 4 03	9,545 59	53 071 07	8,083 32
1876	71,7 9 94	6,579 11	57,571 44	9,925 87
1877	28,2 9 00	7,554 97	80,987 21	8,957 93
1878	2,458 11	700 24	59,431 38	7,433 43
1879	47,746 49		69,380 46	6,669 73
1880	47,606 27		86,432 26	7,637 51
1881	35,667 49		112,474 76	9,805 78
1882	98,671 11		79,981 81	10,441 59
1883	30,882 45		493 76	6,767 90
1883 and 1884	787,924 30	7,373 06	103,085 97	14,407 07
1884 and 1885	143,500 42		83,263 33	12,223 75
1885 and 1886	99,558 69		73,358 49	9,148 41

XVII. Continued.

Footway Crossings.	Fulton Street Improvement Fund.	Roadbed.	Incidental Expense.	City Hall.	Total.
$6,218 55	. . . . .	. . . . .	. . . . .	$27,259 61	$289,959 36
8,401 43	. . . . .	. . . . .	. . . . .	182,372 54	479,289 48
7,233 79	$2,472 48	$9,003 27	. . . . .	34,846 62	302,151 72
1,749 87	56,416 75	106,103 16	. . . . .	177,500 43	624,041 43
8,669 34	34,898 05	176,709 02	. . . . .	. . . . .	328,470 48
7,295 22	24,057 22	1,499 46	. . . . .	. . . . .	132,416 01
4,809 92	4,252 70	1,654 39	. . . . .	. . . . .	156,533 36
7,314 93	6,908 36	. . . . .	. . . . .	72 28	140,034 68
3,890 42	. . . . .	. . . . .	. . . . .	15 75	73,929 33
4,000 35	. . . . .	. . . . .	. . . . .	270 73	128,067 76
3,469 72	. . . . .	. . . . .	. . . . .	15 00	145,160 76
2,064 51	. . . . .	. . . . .	. . . . .	75	160,013 29
3,634 47	. . . . .	208 49	. . . . .	103 03	183,040 50
1,358 16	. . . . .	. . . . .	$75,025 94	. . . . .	114,530 23
1,810 02	. . . . .	. . . . .	36 30	. . . . .	914,636 72
1,990 83	. . . . .	. . . . .	. . . . .	. . . . .	241,068 33
132 72	. . . . .	. . . . .	966 39	. . . . .	183,159 70

STATEMENT No. XVIII.

MILES OF STREETS AND ALLEYS IN THE CITY TO SEPTEMBER 1, 1886.

KIND OF PAVEMENT.	Eastern Dist.	Western Dist.	TOTAL.
Bowlder	5.44	10.21	15.65
Macadam	51.23	57.59	108.82
Wooden	2.85	3.25	6.10
Granite	4.08	2.72	6.80
Asphalt	2.40	1.42	3.82
Gravel		2.76	2.76
Block Stone		0.10	0.10
Total miles of Streets	66.00	78.05	144.05
Total miles of Alleys	14.02	17.04	31.06
Total miles of Streets and Alleys	80.02	95.09	175.11

Miles of granite streets proposed under Reconstruction Fund . . . 8.12
Miles of asphalt streets proposed under Reconstruction Fund . . . 3.32

STATEMENT No. XIX.

SHOWING A LIST OF UNFINISHED CONTRACTS FOR 1885 AND 1886, IN THE EASTERN DISTRICT.

Nature of Work.	LOCALITY.	Date of Confirmation.	Date of Expiration.	Contractor.
Macadam	Floyd street from a point 515 feet south of Oak, to a point 727 feet south of Oak	August 26, 1886	November 26, 1886	Fred Zabel
Grading	Lee street, west line of Second to east line of Third	July 29, 1886	October 15, 1886	M. Rampenthal
Granite	Jefferson street from Second to Third	July 29, 1886	September 29, 1886	M. Gleason
Granite	Second street from Green to Chestnut	July 8, 1886	September 8, 1886	B. E. Cassilly
Brick	Sewer, in Second street from Dry Run to Dry Run Sewer	August 26, 1886	October 26, 1886	T. Gleason
Brick	Sidewalk, west side of Floyd, between Oak and a point 515 feet south	August 26, 1886	October 26, 1886	W. H. Cornell
Brick	Sidewalk, east side of Spring street, between St. Bernard street and L., C. & L. R. R. crossing	July 7, 1886	September 7, 1886	Jos. Nevin
Brick	Sidewalk, north-east side of Baxter avenue, between Highland avenue and City boundary	July 8, 1886	September 8, 1886	Humpitch & Bronger
Brick	Sidewalk, west side of Clay, between Lexington and Kentucky	May 20, 1886	June 20, 1886	W. H. Cornell

STATEMENT No. XIX.—Continued.

SHOWING A LIST OF UNFINISHED CONTRACTS IN 1885 AND 1886 IN THE WESTERN DISTRICT.

Nature of Work.	LOCALITY.	Date of Confirmation.	Date of Expiration.	Contractor.
Macadam .	Alley from Twenty-second street to Mercer, between Walnut and Grayson	August 26, 1886 .	November 26, 1886	H. A. Meyer . . . . .
Block Stone	Alley from Magazine street north to alley, being first alley east of Eighteenth . . .	August 26, 1886 .	November 26, 1886	H. A. Meyer . . . . .
Block Stone	Alley from Fifth to Sixth street, between Kentucky and Ward street	August 26, 1886 .	October 26, 1886 .	Joseph Nevin . . . .
Macadam .	St. Xavier street, from west side of Twenty-fourth to east side of Twenty-fifth . .	August 5, 1886 . .	November 5, 1886	M. Gleason . . . . .
Macadam .	Thirtieth street, from north line of Portland avenue to south line of Montgomery	April 29, 1886 . .	October 29, 1886 .	Gleason & Gosnell . .
Macadam .	Duncan street, from west line of Twenty-first to east line of Twenty-second . . .	July 29, 1886 . .	October 29, 1886 .	Gleason & Gosnell .
Macadam .	Duncan street, from west line of Twenty-second to east line of Twenty-third . . .	July 29, 1886 . . .	October 29, 1886 .	Joseph Nevin . . . .
Granite . .	Jefferson street, from west line of Fifth to east line of Seventh street	July 15, 1886 . . .	September 15, 1886	F. Zabel . . . . .
Granite . .	Jefferson street, from west line of Third to east line of Fifth street	July 8, 1886 . . .	September 8, 1886	B. E. Cassilly . . . .
Granite . .	Fifth street, from Main to Jefferson	July 8, 1886 . . .	September 8, 1886	B. E. Cassilly . . . .
Brick . . .	Sidewalk, north side of Magazine, between Eighteenth and Nineteenth streets . .	August 26, 1886 .	October 26, 1886 .	W. H. Cornell . . . .
Brick . . .	Sidewalk, north side of Lexington, between Sixth and Seventh	July 29, 1886 . .	September 29, 1886	W. H. Cornell . . . .
Brick . . .	Sidewalk, north side of Lexington, between Eighth and Ninth	July 29, 1886 . . .	September 29, 1886	W. H. Cornell . . . .
Brick . .	Sidewalk, south side Portland avenue, between Twenty-first and a point 805 feet east	July 15, 1886 . . .	September 15, 1886	W. H. Cornell . . . .
Brick . . .	Sidewalk, north side of Oldham, between Seventh and Eighth	July 15, 1886 . . .	September 15, 1886	W. H. Cornell . . . .
Flagstone .	Gutter, both sides of Fifteenth street from Broadway to Lexington	July 1, 1886 . . .	October 30, 1886 .	H. A. Meyer . . . .
Brick . . .	Cistern, intersection of Fifteenth and Rowan streets	July 29, 1886 . . .	August 29, 1886 .	M. Norton . . . . .
. . . . .	Cistern, intersection of Nineteenth and Rowan streets	July 29, 1886 . . .	August 29, 1886 .	M. Norton . . . . .
. . . . .	Cistern, intersection of Ninth and Kentucky streets	July 29, 1886 . . .	August 29, 1886 . .	M. Norton . . . . .
. . . . .	Cistern, intersection of Lexington and Sixteenth streets	July 8, 1886 . . .	September 8, 1886	H. A. Meyer . . . . .

STATEMENT No. XX.

SHOWING A LIST OF CONTRACTS MADE PRIOR TO AND COMPLETED IN 1885 AND 1886.

Nature of Work.	LOCALITY.	Date of Confirmation.	Date of Expiration.	Apportioned and Sent to Council.	CONTRACTOR.
Cement Pipe .	Well at the intersection of Thirty-third and Bank streets	August 17, 1885 . . .	November 3, 1885 . .	October 8, 1885	W. H. Slaughter.
Cement Pipe .	Well at intersection of Thirty-fifth street and High avenue	August 17, 1885 . . .	November 3, 1885 . .	November 5, 1885 . .	W. H. Slaughter.
Brick	Cistern at intersection of Thirty-eighth street and High avenue	August 17, 1885 . . .	November 3, 1885 . .	June 3, 1886	H. A. Meyer.
Macadam . . .	Cane street, from west side of Logan to east side of Shelby street	July 16, 1885	October 16, 1885 . . .	September 3, 1885 . .	Humpitch & Bronger.
Macadam . . .	Alley, from Fourteenth to Fifteenth being first alley north of Maple street	July 16, 1885	October 16, 1885 . . .	January 7, 1886 . . .	J. R. Gleason.
Macadam . . .	Twenty-fifth street, from south side of Market to north side of Jefferson street .	July 16, 1885	October 16, 1885 . . .	November 5, 1885 . .	J. R. Gleason.
Block Stone . .	Alley, from St. Catherine to Oak, between Second and Third streets	June 18, 1885	October 18, 1885 . . .	October 15, 1885 . . .	H. A. Meyer.

STATEMENT No. XXI.

SHOWING A LIST OF CONTRACTS MADE AND COMPLETED DURING THE YEAR 1885 AND 1886 IN THE EASTERN DISTRICT.

Nature of Work.	LOCALITY.	Date of Confirmation.	Date of Expiration.	Apportioned and sent to Council.	Contractor.
Macadam .	Bancroft street, from east line of Clay to west line of Shelby .	September 24, 1885	December 24, 1885	November 27, 1885	V. Humpitch . . . . .
Macadam .	Brook street, from north line of Oak to south line of Park Place .	February 4, 1886 .	July 4, 1886 . . .	June 3, 1886 . . .	T. Gleason . . . . .
Block Stone	Alley, from First to Second street, being first alley south of Ormsby avenue	November 27, 1885	January 27, 1886 .	July 15, 1886 . .	C. C. Murphy . . . .
Macadam .	Alley, from First to Second street, between Kentucky and St. Catherine	April 29, 1886 . .	July 29, 1886 . . .	June 3, 1886 . . .	F. Zabel . . . . .
Brick . . .	Sidewalk, west side of Second street, between Green and 100 feet south	October 8, 1885 .	December 8, 1885	November 27, 1885	J. R. Long . . . . .
Macadam .	Cane street, from east line of Clay to a point 315 feet east . .	November 5, 1885	February 5, 1886 .	April 8, 1886 . . .	V. Humpitch . . . . .
Brick . . .	Sidewalk. north side of Kentucky, between Clay and Shelby streets	February 4, 1886 .	June 4, 1886 . . .	June 3, 1886 . . .	H. A. Meyer . . . .
Brick . . .	Sidewalk, east side of Second street, between Ormsby avenue and a point 534 feet south	February 4, 1886 .	June 4, 1886 . . .	April 29, 1886 . .	J. R. Long . . . . .
Brick . . .	Sidewalk, west side of Logan, between Cane and Milk streets	July 1, 1886 . . .	September 1, 1886	July 29, 1886 . . .	H. A. Meyer . . . . .
Brick . . .	Sidewalk, north side of Washington, between Hancock and Clay streets	July 15, 1886 . . .	August 15, 1886 .	August 2, 1886 . .	W H. Cornell . . . .
Brick . . .	Cistern, intersection of Preston and St. Catherine streets . .	October 8, 1885 .	February 8, 1886 .	March 4, 1886 . .	J. R. Long . . . . .
Brick . . .	Cistern, intersection of Vine and Lampton streets	February 4, 1886 .	March 4, 1886 . .	July 29, 1886 . . .	Jos. Nevin . . . . .
Cem't Pipe	Well, intersection of Logan and Rupp	October 8, 1885 . .	December 8, 1885	December 29, 1885	W. H. Slaughter . . .

STATEMENT No. XXI.—Continued.

SHOWING A LIST OF CONTRACTS MADE AND COMPLETED IN 1885 AND 1886 IN THE WESTERN DISTRICT.

Nature of Work.	LOCALITY.	Date of Confirmation.	Date of Expiration.	Apportioned and sent to Council.	Contractor.
Macadam .	Alley, from Eighteenth to Nineteenth, between Madison and Chestnut	October 8, 1885 . .	February 8, 1886 .	January 17, 1886 .	J. R. Gleason . . . .
Macadam .	Alley, from Twenty-first to Twenty-second, between Walnut and Madison	October 8, 1885 . .	December 8, 1885 .	November 27, 1885	Jos. Nevin . . . .
Macadam .	Alley, from Maple street to first alley south, between Fifteenth and Sixteenth	May 20, 1886 . . .	August 20, 1886 .	July 29, 1836 . . .	H. A. Meyer . . . .
Macadam .	Thirtieth street, from north line of Montgomery to south line of High avenue	April 29, 1886 . . .	July 29, 1886 . . .	July 29, 1886 . . .	Gleason & Gosnell . .
Brick . .	Sidewalk, from west side of Third, between Oak and a point 263 feet north	October 8, 1885 . .	December 8, 1885 .	November 27, 1885	J. R. Long . . . .
Brick . . .	Sidewalk, from south side of Griffiths avenue, between Twentieth and Twenty-first	October 8, 1835 . .	January 8, 1886 . .	December 10, 1885	J. R. Long . . . .
Brick . . .	Sidewalk, from south side of Bank street, between Twenty-sixth and Twenty-first	October 8, 1885 . .	January 8, 1886 . .	December 10, 1885	J. W. Heddermin . .
Brick . . .	Sidewalk, from east side of Twentieth, between Madison and Chestnut	October 8, 1885 . .	December 8, 1885	January 20, 1886 .	W. H. Cornell . . . .
Brick . . .	Sidewalk, from south side of Oak, between Nashville avenue and Twelfth	October 8, 1885 . .	November 8, 1885	November 5, 1885	Jos. Nevin . . . .
Brick . . .	Sidewalk, from south side of Market, between Twenty-fourth and Twenty-fifth	February 4, 1886 .	June 4, 1886 . . .	April 8, 1886 . .	H. A. Meyer . . . .
Brick . . .	Sidewalk, west side of Third, between Weissinger and Magnolia	February 4, 1886 .	June 4, 1886 . . .	May 13, 1886 . . .	H. A Meyer . . . .
Brick . . .	Sidewalk, south side of Dumesnil, bet. Eleventh and Twelfth .	May 20, 1886 . . .	July 20, 1886 . .	July 29, 1886 . . .	J. R. Long . . . .
Brick . .	Sidewalk, from east side of Twenty-fifth, between Main and Rowan	May 20, 1886 . .	July 20, 1886 . .	July 1, 1886 . . .	J. R Long . . . .
Brick . . .	Cistern, intersection of Main and Twenty-fifth	October 8, 1885 . .	February 8, 1886 .	December 29, 1885	Jos. Nevin . . . .
Brick . . .	Cistern, intersection of Market and Sixteenth	October 8, 1885 . .	February 8, 1886 .	May 13, 1886 . . .	B. E. Cassilly . . .
Brick . . .	Cistern, intersection of Mercer and Walnut	October 8, 1835 . .	February 8, 1886 .	June 3, 1886 . . .	B. E Cassilly . . .
Brick . . .	Cistern, intersection of Jefferson and Twentieth	October 8, 1885 . .	February 8, 1886 .	March 4, 1886 . .	B. E. Cassilly . . .
Brick . .	Cistern, on Grayson street, between Mercer and Twenty-second	October 8, 1885 . .	February 8, 1886 .	February 4, 1886 .	B. E. Cassilly . . .
Brick . .	Cistern, intersection of High avenue and Thirty-second . . .	November 27, 1885	December 27, 1 85	January 25, 1886 .	Jos. Nevin . . . .
Cem't Pipe	Well, intersection of Mercer and Magazine	October 8, 1885 . .	December 8, 1885 .	December 1, 1885 .	W. H. Slaughter . .
Cem't Pipe	Well, intersection of Bank and Thirty-seventh	March 18, 1886 . .	May 18, 1886 . . .	April 15, 1886 . .	W. H. Slaughter . .
Cem't Pipe	Well, intersection of Chestnut and first alley west	April 29, 1886 . .	June 29, 1886 . .	June 3, 1886 . . .	W. H. Slaughter . .

CITY ENGINEER.

CITY ENGINEER'S OFFICE, JUNE 1, 1886.

To the General Council:

GENTLEMEN: In obedience to the terms of a resolution from your honorable body, I herewith submit a report, giving a detailed account of the location, amount, and cost of bowlder-street repairs up to June of this year.

I would most respectfully ask that said report be referred to the joint committee of both boards on streets, in order that a thorough investigation and report can be made by said committee as to the manner of conducting street repairs of every description and the system of accounts which obtain to them.

Citizens frequently ask why a small force is not continually employed for making street repairs.

Your committee will find upon examination that such a system is in effect, and that the repair force is performing the work ordered by the Mayor and Council, as well as its limited means will enable it to do.

Our limestone streets and alleys are running in every direction within an area of twelve and one-half miles, and an aggregate length of one hundred and forty miles, while our bowlder streets are fifteen miles, and our wooden streets are six miles in length, likewise running in every direction.

If these streets were in straight lines men and teams would be seen continually at work upon them, doing substantial and economical work.

However, neither bowlder nor any other street pavement can withstand the excessive strains of heavy and unlawful hauling they are subjected to. Our narrow wagon ties and enormous loads are costing the tax-payer unnecessarily heavy outlays, which must increase with our growing traffic unless the laws regulating hauling are enforced. Teams hauling ten, eleven, and twelve tons are daily traversing and destroying our streets, when the law permits only five tons for maximum loads.

Granite can pull through a shortened life under such extraordinary assaults. But asphalt, bowlder, wood, and macadam streets succumb in comparatively short periods.

I will take this opportunity to reiterate the time-worn admonition about our old wooden pavements.

They are approaching twenty years of hard service, and have been patched and repatched until they have become mere shreds of their former selves, having no support but decayed and broken one-inch planks.

It is irrational to expect much longer service from them. Stability requires compactly rolled broken stone or concrete foundations for granite-block pavements, hence it is unreasonable to expect to successfully maintain a lot of inadequate and worn-out old wooden streets, that are as devoid of drainage and sanitary requisites as they are of vitality. Some exceptional provision will have to be made to reconstruct them in the near future.

Broadway, Chestnut, Jefferson, Second, and Fifth streets are fast becoming dangerous to traffic, and very decrepit and expensive public nuisances. Very respectfully,

R. T. SCOWDEN, *City Engineer.*

The following, submitted with the report, shows the cost of bowlder repairs in the Eastern and Western Districts from March 15th to May 31, 1886:

EASTERN DISTRICT.

Cost of bowlder repairs on Main from Brook to Wenzel street	$232 50
Green, from East to Third street	507 35
Main, from Brook to Wenzel street	622 82
Inspector's time	128 00
Total	$1,490 67
Squares of 100 superficial feet repaired	$519\frac{40}{100}$
Average cost per square paving	$2 87

WESTERN DISTRICT.

High, between Twelfth and Fourteenth streets	$210 45
Green, between Sixth and Eighth streets	132 90
Green, between Seventh and Eighth, and Eighth, between Market and Jefferson streets	32 25
Eighth, between Market and Jefferson streets	13 00
Broadway, between Sixth and Eighth streets	165 25
Broadway, between Third and Fifth streets	63 70
Fourth, between Walnut and Jefferson streets	80 42
Broadway, between Third and Fourth streets	58 57
Broadway, between Third and Fourth streets, and Eighth, between Broadway and York streets	13 00
Eighth, between Broadway and York streets	110 28
Eighth, between York and Cawthon streets	20 05
Broadway, between Eighth and Ninth streets	20 05
Fourth, between Main and Jefferson streets	19 65
Inspector's time	129 00
Total	$1,192 56
Squares of 100 superficial feet repaired	$381\frac{01}{100}$
Average cost per square paving	$3 13

CITY ENGINEER'S OFFICE, SEPTEMBER 15, 1886.

To the Mayor and General Council:

GENTLEMEN: The custom of receiving the report of the City Engineer and filing it without investigation is very complimentary to the undersigned and gratefully appreciated, but to the public it looks rather injudicious and not altogether convincing. It would bring about a much clearer understanding and better feeling between the Council, people, and Engineer's Department were its new plans and specifications, management and progress subjected to a periodical and exhaustive scrutiny.

A large deal of the public revenue is expended through its instrumentality, and it is proper that a clear reckoning should be given to the people as to how it has been done.

The annual report shows, at some length and in detail, how every cent has been used, but the people never read a report.

They ask but one question: "What becomes of the money?" and are daily answered by designing, evil-disposed, as well as by incompetent critics, that it is either wasted or misappropriated.

Investigation would set these reports right or it would expose wrong. Either result would be better than distrust.

Every official who does his best wants it to be known; nor can he be as useful as he should be if his motives are misconstrued and his movements are impeded with suspicion.

Moreover, there is no one who can not learn; therefore, if a thorough annual examination were made into the plans and management of a department it would not only establish a public confidence in it—if it were deserved—but it would doubtless lead to the introduction of improved business methods and surround it with stronger safeguards.

It is said, by ill-informed parties, that the plans and records of an Engineer's Department are complicated and difficult to comprehend. I have only to reply to this misstatement, that any engineer who can not clearly explain his plans and records to an intelligent citizen does not know his business or has some reason for concealing it.

Every class of work done upon each day in the Engineer's Department is registered the next, as to its nature, quality, and location, and every day an estimate is kept as to the cost of the preceding day's work.

This system has been worked up with some pains and has brought about retrenchment and improvements that it would be gratifying to the members of the department to show and have known.

I would, therefore, respectfully ask your honorable body to refer the accompanying report to a committee that will inquire searchingly into and make an impartial report upon it.

Very respectfully,

R. T. SCOWDEN,
City Engineer.

CITY ENGINEER'S OFFICE, DECEMBER 15, 1886.

To the Honorable General Council:

GENTLEMEN: By the request of the Mayor I have the honor to submit the following statement giving the comparative difference of cost of maintaining the Engineer's Department in its various branches in 1870 and 1886, with notes relative to the new plans and business methods adopted in the last decade.

MILES OF STREETS AND ALLEYS IN 1870.

Streets, bowlder	12.70
Streets, macadam	81.20
Streets, wooden	3.80
Total miles of streets	97.70
Alleys	14.30
Total miles streets and alleys	112.00
Cost of repairing 112.00 miles streets and alleys	$61,510 93
Average cost per mile in 1870	549 10

MILES OF STREETS AND ALLEYS IN 1886.

Streets, bowlder	15.65
Streets, macadam	108.82
Streets, wooden	6.10
Streets, granite	6.90
Streets, asphalt	3.82
Streets, gravel	2.76
Streets, block stone	0.10
Total miles of streets	144.15
Alleys	31.06
Total miles of streets and alleys	175.21
Number miles of streets and alleys in 1870	112.00
Number miles of streets and alleys in 1886	175.21
Increased number miles of streets and alleys in 1886	63.21

Cost of repairing 175.21 miles streets and alleys	$73,353 49
Average cost per mile in 1886	418 60
Average cost per mile of repairing streets and alleys in 1870	$549 10
Average cost per mile of repairing streets and alleys in 1886	418 60
Decreased cost per mile in 1886	$120 50

Bridge Reports.

Since 1870 there have been built the following bridges which have been maintained at the cost of street repair account:

Estimated value of bridges $150,000 00

Three stone arch bridges.
Two iron truss bridges.
One King's patent bridge.
Four wooden bridges.
Two dilapidated wood and stone bridges in Jerusalem.

Street Repairs.

Another unavoidable expense entering into street repairs, in the past few years, has obtained from repaving long lines of old, defectively-drained street gutters with flagstones at improved grades. Some twenty miles of such work has been done in recent years from absolute sanitary necessity. And for like causes and the same reasons no less than one hundred miles more of ill-drained and worn-out gutters ought to be relaid in the near future.

Unfortunately for the city, it is so nearly level that self-cleansing gutters are impracticable to get. Even with flagstone gutters, drainage can not be had unless the gutters are kept free from debris and mud. Flagstone is not self-cleansing either for gutters, footways, or sidewalks, and it soon wears very slippery and dangerous for the latter two purposes. If smoothness alone insured cleanliness, asphalt pavements would never grow dirty; but experience proves that mud accumulates upon them as fast as upon rougher pavements. Flagstone and brick sidewalks have to be washed with hose streams and scrubbed with brooms once or twice weekly to be kept passable. It is evident, therefore, that unless our new streets are periodically cleaned their roadways will collect dirt, which must work into the gutters and obstruct drainage. It is equally clear that street dirt will accumulate upon footway crossings unless they are scraped or swept. If the streets are kept clean, crossing places will not get muddy, and expensive and slippery footways will not be asked for or needed. Asphalt pavements should be swept, for economy sake, because mud and water are more destructive to them than the wear and tear of our heavy traffic.

Repairs to plank walks, covered waterways, and footway crossings are all charged to street repairs, an expense which grows larger from year to year with the city's increased population and business traffic.

NEW FOOTWAY CROSSINGS.

Cost of putting down new crossings in 1870	$10,067 43
Cost of putting down new crossings in 1886	132 72
Estimated value of footways and covered waterways	$25,000 00

The tax for footway crossings will remain a burdensome one to the city until more durable material is obtained to construct footways with. Our native limestone is so soft, seamy, and friable that it disintegrates and wears out in two years' service upon busy thoroughfares.

The plan of introducing granite footways, which goes into effect next year, will overcome the objections to the old worn-out limestone crossings, and will reduce the ultimate cost of footways not less than sixty per cent., by the increased durability and life of the granite.

The large per cent. of economy obtained in the execution of the different branches of repairs and reconstruction work done by the Engineer's Department in the last decade comes from different reasons:

Firstly, from the improved methods of constructing streets with permanent foundations; the introduction and use of flagstone gutters; a uniform depth of curbing; stronger and thoroughly trapped catch-basins and effectively ventilated sewers; a better designed and absolutely safe and durable fire cistern; and from an improved class of public pump machinery.

The second and other very simple reason for the decreased cost of work is because, by a careful system of reports, checks, and accounts introduced, every load of broken stone and gravel used; every load of paving stone and wooden blocks, bricks, sand, lumber, and cement used, and the time of all the mechanics and laborers employed upon each class of work is reported the following morning, so that the location, nature, and cost of each piece of work performed by either the street, alley, gutter, sewer, fire cistern, or bridge force is known and noted every day.

STATEMENT SHOWING MILES OF SEWERS IN 1870 AND 1886, AND COMPARATIVE COST OF CLEANING AND REPAIRING SAME.

Number of miles of sewers in 1870	11.25
Number of miles of sewers in 1886	47.00
Cost of cleaning and repairing sewers in 1870	$3,787 10
Cost of cleaning and repairing sewers in 1886	185 24

The sewer repair expenses come mainly from the failure and reconstruction of the old style rectangular catch-basins. In 1876 a new circular catch-basin with an effective trap was introduced, since when no accident has happened, nor have any repairs been made to any of the new sewers or catch-basins.

Many of the sewers constructed since 1870 are large, long, and costly mains, which are performing incalculable service in draining and improving the sanitary condition of thousands of acres of hitherto wet, malarious, and unhealthful districts. Nearly two millions of dollars have been invested under ground in providing fifty miles of public and private sewers, but the city has no resource that will be more beneficial to the present or coming generations than her sewer system, whether taken from a sanitary, financial, business, domestic, or pregressive standpoint.

Fire Cisterns.

Number of fire cisterns in 1870	271
Number of fire cisterns in 1886	434

Cost of cistern repairs in 1870—No data given in Engineer's report of that year; hence no comparisons can be made.

Fire cistern repairs have been very expensive for several years past, because the Chief of the Fire Department has found that cisterns made according to an old plan in existence before 1876 crack and break in the crown, spring line, and bottom of the cisterns, which involves leaks that destroy their storage capacity and render them dangerous to firemen. These old cisterns have had to be repaired and strengthened by lining them with new walls, in the majority of instances, at considerable trouble and cost.

No repairs of any kind have ever been put upon the new plan of fire cisterns since their adoption in 1877. All are reported water tight, and their mode of construction makes them safe and strong beyond any contingency.

Fire Plugs.

When the new granite and asphalt streets were planned, it was recommended that fire plugs should be placed along both sides of the streets at regular intervals, to be used for the double purpose of assisting the Fire Department and increasing the sanitary machinery of the city by furnishing a cheap and effective method for cleaning gutters and flushing catch-basins and sewers.

Number of fire plugs in 1870	None.
Number of fire plugs in 1886	26
Average cost per plug	$80 00
Estimated value to the city	2,080 00

PUBLIC PUMPS.

Number of public pumps in 1870	380
Number of public pumps in 1886	1,118
Cost of pump repairs, 1870	$2,675 26
Cost of pump repairs, 1886	5,476 60
Average cost per pump for repairs, 1870	$7 05
Average cost per pump for repairs, 1886	4 89
Decreased cost per pump in 1886	2 16

In this connection I will take the opportunity to repeat the frequent warning about our defective pumps and wells. There are one thousand and forty-five shallow wells in town, fed from a water-bearing formation lying underneath the city some thirty-five feet below the average street surface. This gravel formation is pierced by forty thousand privy vaults and dry wells, that drain their liquid offal and excrementitious pollutions into the same water bearing strata, and at the same level that our shallow wells take their water from.

The wooden pumps are cheap, perishable, and unreliable, and are only excusable in small communities that are unable to afford better.

There can not be any more beneficent charity than to furnish the poor with free water, but that water should be pure and bountiful.

This can not be provided by public pumps unless the wells penetrate far below the influences of subsoil contaminations and the mephitic effects of privy and dry well drainage. Health reports prove that any water which is at all suspicious ought to be avoided, and that its use should be forbidden instead of encouraged. Like every other radical change, however, the public pump and well reform will not come until an epidemic adds its fearful testimony to the frequent admonitions we get from other towns as to the pernicious effects of shallow well water supply.

Estimated value of public pumps and wells to the city $195,650 00

BUILDING DEPARTMENT.

The records of the building department show that there has been $20,000,000 invested in new buildings, for residences, stores, factories, depots, and places of amusement since 1870.

Owners and builders, to escape taxes, seldom report half cost of any structure to be erected; hence it is not over estimating the actual expenditures made in buildings since 1870 at $30,000,000. It is estimated that there are about forty thousand buildings in the city.

Comparative difference of salaries paid to the City Engineer's corps of 1870 and 1886:

General J. M. St. John, Engineer, per year, 1870	$5,000 00
Fifteen assistants, 1870	25,580 00
Total cost per year	$30,580 00
R. T. Scowden, City Engineer, per year, 1886	$3,500 00
Eleven assistants, 1886	13,100 00
Total	$16,600 00
Amount of salaries paid under General St. John, 1870	$30,580 00
Amount of salaries paid under R. T. Scowden, 1886	16,600 00
Decreased expenses under R. T. Scowden	13,980 00

EXPENSE ACCOUNT.

The following statement shows the office expense account of Engineer's Department in 1870 and 1886:

Amount paid in expense account for sundries, 1870	$1,299 56
Amount paid in expense account for sundries, 1886	340 25
Decreased expense account for sundries, 1886	$959 31

VALUE OF CITY PROPERTY IN CHARGE OF CITY ENGINEER'S DEPARTMENT.

Number miles streets in the city	144.15
Estimated value	$2,628,587 00
Number miles alleys in the city	31.00
Estimated value	$368,280 00
Total estimated value streets and alleys	$3,996,867 00
Cost of sewers, Eastern District	$728,991 93
Cost of sewers, Western District	1,024,170 21
Estimated value of sewers	$1,752,162 14
Number of bridges	12
Estimated value	$150,000 00
Number of fire cisterns	434
Average capacity, barrels	500
Cost per barrel	$1 00
Estimated value	$217,000 00
Number of pumps	1,118
Cost per pump	$175 00
Estimated value	$195,650 00
Estimated value of footway crossings and covered waterways	$25,000

Total estimated value of property under the charge of Engineer's Department	$6,336,679 14
Total cost of repairing and maintaining all of the work under the charge of the Engineer's Department, 1886	$73,352 49

It will be observed by the foregoing statement that a large per cent. of saving has been obtained in every branch of the work, and that the office expenses and salaries of the Engineer's Department in 1886 are nearly fifty per cent. less than in 1870, although the city has grown at a greater per cent. in extent, business traffic, and population; therefore the demands upon the Engineer's Department have grown in a corresponding ratio. Crippling the Engineer's Department has not been true economy, because public work that is worth doing should be done well, and it requires both skillful and vigilant engineering and supervision to have work done according to the plans and specifications. General St. John did not have a man too many, nor did his men get a dollar too much for doing competent and honest service.

The Engineer's corps has been, and is now, too much impaired by repeated reductions to do the work required of it. However, we will continue to do the best we can, although we do not feel that we have received the consideration we have earned.

Very respectfully,

R. T. SCOWDEN,

City Engineer.

ANNUAL REPORT

OF THE

LOUISVILLE SCHOOL BOARD,

1887.

OFFICERS.

JOHN STITES, President.
DR. J. R. AWBREY, Vice-president.
WM. J. DAVIS, Secretary and Treasurer.
GEO. H. TINGLEY, Superintendent.
R. H. BLAIN, Attorney.

MEMBERS.

WARD.	TRUSTEES.	RESIDENCE.	PLACE OF BUSINESS.
1	JOHN DRESCHER,	Frankfort ave., nr. Blind School,	825 Brownsboro ave.
	CHAS. R. LONG,	1437 East Broadway,	1428 Washington.
2	L. S. HELBURN,	864 East Market,	406 West Main.
	JOHN HOERTZ,	932 East Madison,	
3	DR. B. BUCKLE,	605 East Green,	605 East Green.
	DR. M. K. ALLEN,	735 Washington,	745 East Market.
4	P. R. ZABEL,	1839 Preston,	Preston and Kentucky.
	DR. F. C. LEBER,	548 East Jefferson,	550 East Jefferson.
5	DR. C. C. GODSHAW,	205 East Jefferson,	205 East Jefferson.
	THOMAS O. HALL,	331 East Gray,	233 West Main.
6	L. BARKHOUSE,	1243 Second,	108 West Main.
	R. C. DAVIS,	1024 Second,	543 Court Place.
7	G. H. COCHRAN,	910 Fourth,	131 West Main.
	H. V. LOVING,	1119 Fourth,	Fifth and Market.
8	J. STITES,	527 West Breckinridge,	548 West Jefferson.
	J. F. CANINE,	534 Fifth,	534 Fifth.
9	J. A. VANDIVER,	708 Lucas Place,	119 Second.
	THOMAS P. WATTS,	1120 Eighth,	317 Fifth.
10	DR. P. G. TRUNNELL,	1114 Twelfth,	1101 West Broadway.
	JOHN T. CRECELIUS,	1149 West Market,	1149 West Market.
11	DR. J. R. AWBREY,	2017 West Jefferson,	2017 West Jefferson.
	JOHN T. FUNK,	1909 West Chestnut,	
12	J. B. ATKINSON,	2512 West Jefferson,	Sixth, bet. Green and Grayson.
	S. H. SMITH,	2646 Portland avenue,	2926 Portland avenue.

STANDING COMMITTEES.

Finance—Loving, Awbrey, Barkhouse.
Salaries and Supplies—Allen, Loving, Vandiver.
Buildings—Atkinson, Zabel, Hoertz, Watts, Awbrey.
Printing—Smith, Trunnell, Hall.
Examination and Course of Study—Davis, Long, Atkinson, Loving, Hall, Funk.
High Schools—President Stites (*ex officio*), Cochran, Davis, Leber, Smith, Allen, Vandiver.
German—Barkhouse, Zabel, Trunnell, Hoertz, Funk.
Colored Schools—Cochran, Davis, Buckle, Godshaw, Crecelius.
Night Schools—Drescher, Atkinson, Allen, Hoertz, Canine, N. Finzer (honorary).
Amusements—Buckle, Leber, Atkinson, Crecelius, Hall, N. Finzer (honorary).
Intermediate Schools—Awbrey, Godshaw, Smith, Helburn, Canine.
District Schools, Eastern Division—Hall, Helburn, Drescher.
District Schools, Western Division—Funk, Trunnell, Watts.
Penmanship and Drawing—Crecelius, Helburn, Funk.
Rules—Leber, Long, Davis.
Escheats and School Property—Canine, Davis, Barkhouse.
Normal Class Godshaw, Cochran, Smith, Crecelius, Zabel.
Grievances—Long, Buckle, Loving.
Sanitary Affairs—Watts, Trunnell, Leber.
Music—Vandiver, Long, Barkhouse.

REPORT OF THE PRESIDENT.

LOUISVILLE, November 30, 1886.

To the Louisville School Board:

In accordance with a resolution passed by your honorable body, I shall endeavor to contribute a report of the progress and condition of our public schools, first asking your indulgence for its brevity, because of the limited amount of time I am able to give to such work on account of my professional duties.

A reference to the detailed reports of the Superintendent and the Secretary shows that the expenditures of the School Board have been within its income, and, therefore, your administration of the public trust confided in you has been characterized by a wise conservatism and economy. In this connection, I may say, in passing, that during the past ten years the expenditures have fallen within the income of the Board every year except one, in which case the income was exceeded by about $13,000—a fact due to an unanticipated diminution of the State *per capita* from $1.45 to $1.25, the number of children reported by the census being about 45,000. But this excess was made a part of the expenses of the following school year, and the limitations imposed by a proper business prudence were not again overstepped. An average annual increase of about six hundred pupils entails not only additional expense for their instruction, but calls for increased accommodations in buildings, furniture, and apparatus. A suitable provision in this behalf requires at least two well-appointed schoolhouses every three years. Our finances have not permitted us to construct the necessary buildings. It will be remembered that about twelve years ago the assessment of property in Louisville for taxation was (about) $78,000,000, while now it is less than $67,000,000. Then the average daily attendance of pupils was (about) twelve thousand; now it exceeds sixteen thousand. Then the number of teachers was but little over three hundred; now it is more than four hundred. In other words, we have now an income of $50,000 less than then, with a pupilage twenty-five per cent. greater. Surely it speaks well for a corporation, that it husbands its decreasing resources and keeps clear of debt. The closer collections of the taxes

this year give us a larger percentage of the tax-levy than heretofore, and we have thus been enabled to begin the erection of one commodious school-building, in modern style, with improved appliances for heating, ventilation, etc., in the locality most needing it. This building is situated in the southern part of the fifth ward, is now under roof, and will be completed for occupation by the opening of the next school year.

I have visited the District and High Schools during the term of my office, and can bear cheerful testimony to statements made by the superintendent in his report of their satisfactory condition.

The Female High School is well administered in all its departments. Its faculty is strong and able, and the instruction thorough, painstaking, and successful.

Your honorable body adopted the report of the Committee on High Schools last July and August, recommending a change in the principalship and in two of the chairs of the Male High School. It gratifies me to be able to say that the present condition of this institution is all that was hoped for, and it stands second to no institution of equal grade in this country in efficient discipline and full instruction.

The Normal class furnishes your annual supply of teachers. I urge upon trustees to personally visit this class, that they may be informed of the technical instruction afforded by its teacher and the principal, and may see the valuable work of professional preparation the class performs under their skillful guidance.

Of the District Schools, white and colored, it may be said that their condition is steadily improving, the majority of the teachers seeming awake to the progressive demands of their profession, and disposed to practice advanced modern methods of teaching.

A few years ago, in order to afford facilities for youths engaged in daily labor, night schools were established by the School Board. At first intended only for boys, they have been experimentally opened to girls. The course of instruction pursued in these schools is not systematically arranged, nor are the classes graded as is the case in the day schools. More latitude is allowed to the teacher, the object being to give accurate instruction chiefly in arithmetic, reading, language, book-keeping, and penmanship. The work in these schools can not be as strictly estimated as if they were graded, but to a frequent visitor the progress seems marked and decided. All that was contemplated by those trustees, through whose efforts these schools were put in operation, seems to have been realized. I do not hesitate to express the opinion that, intellectually and morally, these schools have proved practically useful in a high sense to the boys and girls attending them.

Permit me, in conclusion, gentlemen, to thank you for the consideration you have manifested and the courtesies you have uniformly extended to me as your presiding officer. In retiring from the chair it is a source of unfeigned pleasure to me that harmony has prevailed in your councils, and kindly feeling has controlled your deliberations. You have been governed by a sound conservative policy in your actions. You have discharged your trust faithfully.

Respectfully submitted,

F. C. LEBER,
President.

SECRETARY'S ANNUAL REPORT.

RECEIPTS AND EXPENDITURES FROM JANUARY 1, 1885, TO JANUARY 1, 1886.

Receipts:			
January 1, 1885, balance as per cash book			$5,141 74
From Tax Receiver, City of Louisville, assessment, 1885	$163,981 14		
From Tax Receiver, City of Louisville, assessment, 1884	7,380 87		
From Tax Receiver, City of Louisville, assessment, 1883	4,824 21		
From Tax Receiver, City of Louisville, assessment, 1882	2,045 55		
Back taxes, old assessments	3,878 21		
Total receipts from City of Louisville		$182,109 98	
State of Kentucky		88,244 60	
Tuition		1,863 43	
Sinking Fund		25,200 00	
Interest		2,799 37	
Escheated property		3,687 20	
Real estate		3,283 40	
Refunded		26 62	
			307,214 60
			$312,356 34
Expenditures:			
Salaries		245,106 35	
General expense		7,183 40	
Incidental expense		16,226 31	
Repairs and improvements		16,022 97	
Rented buildings		2,730 15	
Bills payable		8,000 00	
Building account		10,295 21	
Real estate		780 00	
Escheated property		1,341 04	
			307,685 43
January 1, 1886, balance as per cash book			$4,670 91

WM. J. DAVIS,
Secretary.

REPORT OF THE SUPERINTENDENT OF THE SCHOOLS, AUGUST, 1886.

LOUISVILLE, AUGUST, 1886.

To the Louisville School Board:

GENTLEMEN: In accordance with the rules of the Board, I have the honor to submit the following report for the year ending June 30, 1886.

I respectfully call attention to the accompanying statistical tables, which are designed to show—

A and I, inclusive: The number of pupils enrolled in the several schools during the past ten years, the number remaining at the end of each year, the average number belonging, the daily attendance, and the number of teachers employed.

B: The salaries of the teachers and the other expenses of the schools, and the average cost per pupil computed upon the average number belonging.

C: The enrollment, attendance, and the cost of the schools for the past twenty-four years.

TABLE A.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1885–86.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	AVERAGE NUMBER BELONGING.								
			Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII	Total
1. First Ward	813	585			29	69	68	86	124	228	604
2. New Jerusalem	103	92					18	19	11	41	89
3. Overhill street	582	517			45	76	87	84	41	189	522
4. Second Ward	1238	1020	89	134	84	102	130	144	140	258	1081
5. Germantown	275	233					35	49	51	88	223
6. Third Ward	854	668			86	114	104	105	121	186	716
7. Fourth Ward	665	510			42	87	87	87	73	170	546
8. Main street	543	426			38	81	45	60	86	129	439
9. Fifth Ward	1368	1084	84	170	119	138	142	156	146	210	1165
10. Sixth Ward	1100	790			131	124	148	135	154	196	888
11. Seventh Ward	1051	771			103	132	141	111	125	203	815
12. Eighth Ward	721	513	265	280			9		7	51	612
13. Ninth Ward	599	456			61	77	82	76	80	98	474
14. Tenth Ward	840	621			59	74	132	98	105	196	664
15. Thirteenth street	453	325			25	39	48	45	53	126	336
16. Duncan street	1022	748			43	87	114	148	185	245	822
17. Madison street	1649	1206	124	194	126	144	173	145	184	248	1318
18. California	545	432			33	49	54	66	85	169	456
19. Grayson street	834	674			68	95	111	102	115	202	693
20. Montgomery street	598	449			49	45	71	56	57	196	474
21. Shippingport	69	56					7	11	14	26	58
22. Portland	413	310	30	40	29	37	34	44	39	79	332
Total Ward	16335	12486	592	818	1170	1570	1840	1827	1996	3534	13347
23. Male High	271	219									241
24. Female High	424	353									383
25. Normal Class	40	35									36
Total Ward, High, and Normal Class	17070	13093									14007
26. Fulton Colored	145	95					6	12	20	68	106
27. Eastern Colored	1270	858			66	100	82	103	102	450	903
28. Central Colored	924	543	31	57			46	104	124	258	620
29. Western Colored	1106	873			95	161	73	89	180	344	942
30. California Colored	299	225					40	43	36	105	224
31. Portland Colored	86	53					2	5	13	44	64
32. High Colored	64	55									60
Total Colored	3894	2702	31	57	161	261	249	356	475	1269	2919
Total Ward, High, Nor. C., and Col.	20964	15795									16926

ENROLLMENT AND ATTENDANCE FOR 1885-86.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE DAILY ATTENDANCE.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	813	585			27	63	62	76	108	194	530
2. New Jerusalem	103	92					17	17	11	37	82
3. Overhill street	582	517			44	72	82	78	39	169	484
4. Second Ward	1238	1020	84	126	77	96	119	131	129	233	995
5. Germantown	275	233					33	44	48	80	205
6. Third Ward	854	668			81	106	97	97	112	164	657
7. Fourth Ward	665	510			40	80	81	80	68	145	494
8. Main street	543	426			36	74	42	55	78	114	399
9. Fifth Ward	1368	1084	79	158	112	128	127	142	128	177	1051
10. Sixth Ward	1100	790			121	113	134	125	134	160	787
11. Seventh Ward	1051	771			96	122	130	101	112	173	734
12. Eighth Ward	721	513	247	263			8		5	36	559
13. Ninth Ward	599	456			59	74	79	72	74	87	445
14. Tenth Ward	840	621			55	67	122	93	96	173	606
15. Thirteenth street	453	325			24	36	45	41	50	114	310
16. Duncan street	1022	748			41	82	107	141	173	227	771
17. Madison street	1649	1206	114	183	116	130	161	133	167	217	1221
18. California	545	432			30	46	52	62	78	152	420
19. Grayson street	834	674			63	87	103	93	102	161	609
20. Montgomery street	598	449			46	42	66	52	53	162	421
21. Shippingport	69	56					6	10	12	20	48
22. Portland	413	310	27	35	26	31	29	38	32	65	283
Total Ward	16335	12486	551	765	1094	1449	1702	1681	1809	3060	12111
23. Male High	271	219									230
24. Female High	424	353									362
25. Normal Class	40	35									34
Total Ward, High, and Normal Class	17070	13093									12737
26. Fulton Colored	145	95					5	11	19	48	83
27. Eastern Colored	1270	858			61	92	74	93	86	370	776
28. Central Colored	924	543	27	52			43	95	106	202	525
29. Western Colored	1166	873			86	144	67	80	163	297	837
30. California Colored	299	225					37	39	32	92	200
31. Portland Colored	86	53					1	5	11	40	57
32. High Colored	64	55									56
Total Colored	3894	2702	27	52	147	236	227	323	417	1049	2534
Total Ward, High, Nor. C., and Col.	20964	15795									15271

ENROLLMENT AND ATTENDANCE FOR 1885-86.—Continued.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	NUMBER OF TEACHERS. Principal.	First-class Assistants.	Second-class Assistants.	Third-class Assistants.	Fourth-class Assistants.	Fifth-class Assistants.	Total
1. First Ward	813	585	1.			2.6	6.4	3.0	13 0
2. New Jerusalem	103	92	1				0 4	0.6	2.0
3. Overhill street	582	517	1.			3.0	3.0	3.4	10.4
4. Second Ward	1238	1020	1.	2.0	4.0	4.0	9.0	4.0	24.0
5. Germantown	275	233	1.			1.0	1.0	1.0	4.0
6. Third Ward	854	668	1.			5 8	3.2	5.9	15.9
7. Fourth Ward	665	510	1.			4.0	3.0	4.0	12.0
8. Main street	543	426	1.			3.0	2 6	3.4	10.0
9. Fifth Ward	1368	1084	1.	2.7	4.0	4.0	5 7	7 3	24.7
10. Sixth Ward	1100	790	1.	0.7		4 3	6.5	6.4	18.9
11. Seventh Ward	1051	771	1.			4.0	6.9	5 0	16.9
12. Eighth Ward	721	513	1.	6.0	7.7	1.0		1.0	16.7
13. Ninth Ward	599	456	1.			3.0	5.0	3 0	12.0
14. Tenth Ward	840	621	1.			4.0	6.0	4.0	15.0
15. Thirteenth street	453	325	1.			2.0	1.8	2.2	7.0
16. Duncan street	1022	748	1.			4.0	8.4	4.6	18.0
17. Madison street	1649	1266	1.	3 0	4.9	5.0	9.6	5.0	28.5
18. California	545	432	1.			2 0	3 7	2.3	9.0
19. Grayson street	834	674	1.			5.0	2.8	5.2	14.0
20. Montgomery street	598	449	1.			2.8	3 1	3.0	9.9
21. Shippingport	69	56	1.					1 0	2.0
22. Portland	413	310	1.		1.0	1.0	3.0	2.0	8.0
Total Ward	16335	12486	22.	14.4	21.6	65.5	91.1	77.3	291.9
23. Male High	271	219							8 0
24. Female High	424	353							12.0
25. Normal Class	40	35							1.0
Total Ward, High, and Normal Class	17070	13093							312.9
26. Fulton Colored	145	95				1.0		1.0	2.0
27. Eastern Colored	1270	858	1.			3.0	5.0	5 4	14.4
28. Central Colored	924	543	1.	1.0	1.0	1.0	4.0	3.0	11.0
29. Western Colored	1106	873	1.			3.0	6 0	8.8	18.8
30. California Colored	299	225	1.			1.0		2.0	4 0
31. Portland Colored	86	53				1.0		1.0	2.0
32. High Colored	64	55							2.0
Total Colored	3894	2702	4.	1.0	1.0	10.0	15.0	21.2	54.2
Total Ward, High, Normal Class, and Colored	20964	15795							367.1
German Teachers									37.0
Total Teachers									404.1

TABLE B.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1884-85.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	AVERAGE NUMBER BELONGING.								
			Grade I . .	Grade II . .	Grade III .	Grade IV .	Grade V . .	Grade VI .	Grade VII .	Grade VIII	Total . . .
1. First Ward . . .	810	508	. . .	. . .	26	58	72	99	98	240	593
2. New Jerusalem .	108	97	. . .	. . .	. . .	. . .	15	19	16	47	97
3. Overhill street . .	572	501	. . .	. . .	40	52	85	93	79	157	506
4. Second Ward . .	1262	1001	71	144	76	110	99	132	148	298	1078
5. Germantown . . .	235	227	. . .	. . .	. . .	. . .	27	43	46	89	205
6. Third Ward . .	825	674	. . .	. . .	75	112	112	111	96	192	698
7. Fourth Ward . .	678	544	. . .	. . .	69	73	93	94	98	153	580
8. Main street . . .	565	425	. . .	. . .	38	52	69	75	54	150	446
9. Fifth Ward . . .	1547	1057	91	148	101	135	133	153	181	205	1147
10. Sixth Ward . . .	1070	770	. . .	. . .	96	129	134	144	131	190	824
11. Seventh Ward . .	966	705	. . .	. . .	88	99	131	135	103	170	731
12. Eighth Ward . .	847	567	222	341	. . .	. . .	2	8	10	61	644
13. Ninth Ward . . .	722	479	. . .	. . .	65	73	91	84	85	135	533
14. Tenth Ward . . .	947	642	. . .	. . .	59	78	89	151	112	210	699
15. Thirteenth street	434	287	. . .	. . .	27	35	52	66	48	89	317
16. Duncan street . .	1025	720	. . .	. . .	38	66	103	143	148	272	770
17. Madison street . .	1563	1171	116	198	106	146	145	179	146	261	1297
18. California	513	433	. . .	. . .	30	38	54	67	51	105	435
19. Grayson street . .	777	624	. . .	. . .	59	76	96	109	93	183	616
20. Montgomery street	496	387	. . .	. . .	39	50	56	93	53	139	400
21. Shippingport . .	75	57	. . .	. . .	. . .	. . .	4	9	9	32	54
22. Portland	410	296	22	35	27	38	40	36	37	70	305
Total Ward . . .	16447	12267	522	866	1059	1420	1702	2013	1847	3546	12975
23. Male High . . .	234	189	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	210
24. Female High . .	407	340	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	380
25. Normal Class . .	37	34	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	35
Total Ward, High, and Normal Class	17125	12830	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	13600
26. Fulton Colored .	163	85	. . .	. . .	. . .	. . .	11	7	18	70	106
27. Eastern Colored .	1117	734	. . .	. . .	30	77	84	108	127	364	790
28. Central Colored .	1083	558	40	54	. . .	. . .	57	66	136	301	654
29. Western Colored .	1116	710	. . .	. . .	50	151	97	112	136	279	825
30. California Colored	303	209	. . .	. . .	. . .	. . .	26	46	26	115	213
31. Portland Colored	107	53	. . .	. . .	. . .	. . .	4	7	9	45	65
32. High Colored . .	47	36	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	42
Total Colored . .	3936	2385	40	54	80	228	279	346	452	1174	2695
Total Ward, High, Nor. C., and Col.	21061	15215	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	16295

ENROLLMENT AND ATTENDANCE FOR 1884-85.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	AVERAGE DAILY ATTENDANCE.								
			Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII	Total
1. First Ward	810	598			25	52	67	89	85	202	520
2. New Jerusalem	108	97					14	17	15	40	86
3. Overhill street	572	501			39	49	82	89	72	141	472
4. Second Ward	1262	1001	68	136	70	100	92	121	136	266	989
5. Germantown	235	227					26	41	42	80	189
6. Third Ward	825	674			69	105	102	104	86	169	635
7. Fourth Ward	678	544			64	68	86	88	91	127	524
8. Main street	565	425			35	49	61	67	49	142	403
9. Fifth Ward	1547	1057	85	137	92	126	123	142	158	177	1040
10. Sixth Ward	1070	770			88	119	123	132	116	153	731
11. Seventh Ward	966	705			81	93	121	125	94	145	659
12. Eighth Ward	847	567	210	316			2	6	8	49	591
13. Ninth Ward	722	479			63	70	88	79	81	125	506
14. Tenth Ward	947	642			54	71	82	142	100	185	634
15. Thirteenth street	434	287			25	32	47	60	43	74	281
16. Duncan street	1025	720			36	60	96	132	137	249	710
17. Madison street	1563	1171	108	196	99	132	131	163	135	228	1192
18. California	513	438			28	36	51	62	47	177	401
19. Grayson street	777	624			57	70	91	801	86	154	559
20. Montgomery street	496	387			37	47	51	57	49	114	355
21. Shippingport	75	57					4	8	8	25	45
22. Portland	410	296	20	29	24	30	34	29	30	56	252
Total Ward	16447	12267	491	814	986	1309	1574	1854	1668	3078	11774
23. Male High	234	189									198
24. Female High	407	340									356
25. Normal Class	37	34									32
Total Ward, High, and Normal Class	17125	12830									12360
26. Fulton Colored	163	85					11	6	16	53	86
27. Eastern Colored	1117	734			27	67	76	96	107	299	672
28. Central Colored	1083	558	34	49			50	58	115	235	541
29. Western Colored	1116	710			46	139	83	100	116	242	726
30. California Colored	303	209					23	41	23	100	187
31. Portland Colored	107	53					3	5	7	38	53
32. High Colored	47	36									39
Total Colored	3936	2385	34	49	73	206	246	306	384	967	2304
Total Ward, High, Nor. C., and Col.	21061	15215									14664

ENROLLMENT AND ATTENDANCE FOR 1884-85.—Continued.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	NUMBER OF TEACHERS.							
			Principal .	First-class Assistants .	Second-class Assistants .	Third-class Assistants .	Fourth-class Assistants .	Fifth-class Assistants .	Total . . .
1. First Ward	810	598	1.	. . .	. .	2.0	7.0	2.4	12.4
2. New Jerusalem	108	97	1.	. . .	. . .	. . .	1.0	. . .	2 0
3. Overhill street	572	501	1.	. . .	. . .	3.0	3.0	3.0	10.0
4. Second Ward	1262	1001	1.	2.0	4.0	4.0	9.0	4.0	24.0
5. Germantown	235	227	1.	. . .	. . .	1.0	1.0	1.0	4.0
6. Third Ward	825	674	1.	. . .	. . .	5.0	4.0	5.0	15.0
7. Fourth Ward	678	544	1.	. . .	. . .	4.0	3.8	4.1	12.9
8. Main street	565	425	1.	. . .	. . .	3.0	3.0	3.0	10.0
9. Fifth Ward	1547	1057	1.	2.0	4.0	4.0	6.9	6.1	24.0
10. Sixth Ward	1070	770	1.	. .	. . .	5.0	6.0	5.0	17.0
11. Seventh Ward	966	705	1.	. . .	. . .	4.0	6.0	4.8	15.8
12. Eighth Ward	847	567	1.	5.0	7.9	1.0	0.1	1.0	16.0
13. Ninth Ward	722	479	1.	. . .	. . .	4.0	4.0	3.9	12.9
14. Tenth Ward	947	642	1.	. . .	. . .	4.0	6.0	4.0	15.0
15. Thirteenth street	434	287	1.	. . .	. . .	2.0	1.0	2.0	6.0
16. Duncan street	1025	720	1.	. . .	. . .	4.0	7.9	4.1	17.0
17. Madison street	1563	1171	1.	3.0	4.0	5.0	9.0	5.0	27.0
18. California	513	438	1.	. . .	. . .	2.0	2.9	2.9	8.8
19. Grayson street	777	624	1.	. . .	. . .	5 0	2.0	5.0	13.0
20. Montgomery street	496	387	1.	. . .	. . .	2.0	3.0	2.0	8.0
21. Shippingport	75	57	1.	. . .	. . .	. . .	. . .	1.0	2.0
22. Portland	410	296	1.	. . .	1.0	1.0	3.0	1.7	7.7
Total Ward	16447	12267	22.	12.0	20.9	65.0	89.6	71.0	280.5
23. Male High	234	189	. . .	. . .	. . .	. . .	. . .	. . .	8.0
24. Female High	407	340	. . .	. . .	. . .	. . .	. . .	. . .	11.0
25. Normal Class	37	34	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Ward, High, and Normal Class	17125	12830	. . .	. . .	. . .	. . .	. . .	. . .	300.5
26. Fulton Colored	163	85	. . .	. . .	. . .	1.0	1.0	. . .	2.0
27. Eastern Colored	1117	734	1.	. . .	. . .	2.0	5.1	4.2	12.3
28. Central Colored	1083	558	1.	1.0	1.0	. . .	5.0	3.0	11.0
29. Western Colored	1116	710	1.	. .	. . .	3.0	5.9	5 5	15.4
30. California Colored	303	209	1.	. . .	. . .	1.0	. . .	2.0	4.0
31. Portland Colored	107	53	1.	. . .	. . .	. . .	. . .	. . .	1.0
32. High Colored	47	36	. . .	. . .	. .	. . .	. . .	. . .	1.0
Total Colored	3936	2385	5.	1.0	1.0	7.0	17.0	14.7	46.7
Total Ward, High, Normal Class, and Colored	21061	15215	. . .	. . .	. . .	. . .	. . .	. . .	347.2
German Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	36.0
Total Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	383.2

TABLE C.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1883–84.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE NUMBER BELONGING.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	778	537			30	45	56	93	94	220	534
2. New Jerusalem	135	111					17	23	16	51	107
3. Overhill street	563	469			36	66	54	88	97	154	495
4. Second Ward	1241	995	72	131	79	93	135	118	134	288	1050
5. Germantown	223	203					29	41	40	81	191
6. Third Ward	817	676			72	99	94	127	109	179	680
7. Fourth Ward	690	557			41	87	90	96	97	156	567
8. Main street	624	470			44	52	63	87	84	158	488
9. Fifth Ward	1333	1065	98	148	104	130	129	135	150	245	1139
10. Sixth Ward	1073	746			121	104	137	135	138	175	810
11. Seventh Ward	621	643			108	102	99	113	135	130	687
12. Eighth Ward	770	529	185	294			7	5	10	111	612
13. Ninth Ward	791	534			70	88	101	83	100	137	579
14. Tenth Ward	937	669			69	63	79	101	159	205	676
15. Thirteenth street	417	325			31	34	42	67	69	95	338
16. Duncan street	1051	720			46	68	89	148	158	269	778
17. Madison street	1489	1116	99	192	114	119	145	135	178	238	1220
18. California	483	374			26	44	46	61	57	158	392
19. Grayson street	725	575			65	69	90	97	96	169	586
20. Montgomery street	548	378			38	36	42	58	65	161	403
21. Shippingport	77	58					6	6	13	34	59
22. Portland	426	297	31	41	25	30	39	46	36	72	320
Total Ward	16112	12057	485	806	1119	1328	1589	1863	2035	3486	12711
23. Male High	192	156									169
24. Female High	346	300									320
25. Normal Class	35	33									35
Total Ward, High, and Normal Class	16685	12546									13235
26. Fulton Colored	167	84					10	14	17	60	101
27. Eastern Colored	1107	622			32	54	53	103	120	288	650
28. Central Colored	970	561	31	58			71	57	102	289	608
29. Western Colored	1139	734			55	105	70	128	154	330	842
30. California Colored	279	169					18	25	36	84	163
31. Portland Colored	126	89					6	6	15	59	86
32. High Colored	34	31									32
Total Colored	3822	2290	31	58	87	159	228	333	444	1110	2482
Total Ward, High, Nor. C., and Col.	20507	14836									15717

ENROLLMENT AND ATTENDANCE FOR 1883-84.—Continued.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE DAILY ATTENDANCE.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII	Total.
1. First Ward	778	537	. .	. .	30	38	53	85	85	187	478
2. New Jerusalem	135	111	. .	. .	. .	. .	15	21	14	44	94
3. Overhill street	563	469	. .	. .	34	62	51	80	89	135	451
4. Second Ward	1241	995	67	122	72	84	124	108	120	265	962
5. Germantown	223	203	. .	. .	. .	. .	27	39	37	75	178
6. Third Ward	817	676	. .	. .	66	93	83	118	103	164	627
7. Fourth Ward	630	557	. .	. .	38	81	82	89	91	135	516
8. Main street	624	470	. .	. .	40	48	56	77	75	140	436
9. Fifth Ward	1333	1065	92	140	96	116	119	127	133	210	1033
10. Sixth Ward	1073	746	. .	. .	111	97	127	122	121	142	720
11. Seventh Ward	921	643	. .	. .	101	93	91	104	120	113	622
12. Eighth Ward	770	529	173	277	. .	. .	5	4	8	82	549
13. Ninth Ward	791	534	. .	. .	67	83	96	77	93	117	533
14. Tenth Ward	937	669	. .	. .	62	57	74	96	143	180	612
15. Thirteenth street	417	325	. .	. .	28	31	37	60	64	75	295
16. Duncan street	1051	729	. .	. .	44	63	84	139	144	237	711
17. Madison street	1489	1116	93	179	102	109	133	122	169	208	1106
18. California	483	374	. .	. .	24	40	43	56	52	142	357
19. Grayson street	725	575	. .	. .	62	65	85	92	88	143	535
20. Montgomery street	548	378	. .	. .	36	36	38	54	57	134	355
21. Shippingport	77	58	. .	. .	. .	. .	6	5	11	27	49
22. Portland	426	297	27	34	21	25	36	34	29	54	260
Total Ward	16112	12057	452	752	1034	1221	1465	1709	1837	3009	11479
23. Male High	192	156	. .	. .	. .	. .	. .	. .	. .	. .	163
24. Female High	346	300	. .	. .	. .	. .	. .	. .	. .	. .	306
25. Normal Class	35	33	. .	. .	. .	. .	. .	. .	. .	. .	31
Total Ward, High, and Normal Class	16685	12546	. .	. .	. .	. .	. .	. .	. .	. .	11979
26. Fulton Colored	167	84	. .	. .	. .	. .	9	13	14	48	84
27. Eastern Colored	1107	622	. .	. .	30	51	46	93	107	244	571
28. Central Colored	970	561	26	53	. .	. .	63	49	86	228	505
29. Western Colored	1139	734	. .	. .	49	93	64	116	126	272	720
30. California Colored	279	169	. .	. .	. .	. .	15	22	31	68	136
31. Portland Colored	126	89	. .	. .	. .	. .	5	4	11	41	61
32. High Colored	34	31	. .	. .	. .	. .	. .	. .	. .	. .	29
Total Colored	3822	2290	26	53	79	144	202	297	375	901	2106
Total Ward, High, Nor. C., and Col.	20507	14836	. .	. .	. .	. .	. .	. .	.	. .	14085

ENROLLMENT AND ATTENDANCE FOR 1883-84.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	NUMBER OF TEACHERS.						
			Principal .	First-class Assistants.	Second-class Assistants.	Third-class Assistants.	Fourth-class Assistants.	Fifth-class Assistants.	Total . .
1. First Ward	778	537	1.	. . .	. . .	2.8	5.2	3.0	12 0
2. New Jerusalem	135	111	1.	. . .	. . .	. . .	1.0	. . .	2.0
3. Overhill street	563	469	1.	. . .	. . .	2 6	3.2	2.8	9.6
4. Second Ward	1241	995	1.	2.0	3.0	4.0	8 9	4.1	23.0
5. Germantown	223	203	1.	. .	. . .	1.0	1.0	1.0	4.0
6. Third Ward	817	676	1.	. . .	. . .	5 0	2.0	5.0	13.0
7. Fourth Ward	690	557	1.	. . .	. . .	4.0	4.0	4.0	13.0
8. Main street	624	470	1.	. .	. . .	3.0	3.0	4.0	11.0
9. Fifth Ward	1333	1065	1.	2.0	4 0	5.0	6.5	5.5	24.0
10. Sixth Ward	1073	746	1.	. . .	. . .	5.1	5.6	5.1	16.8
11. Seventh Ward	921	643	1.	. . .	. . .	3.8	6.0	4.2	15 0
12. Eighth Ward	770	529	1.	4.0	7.0	1.0	1.0	1.1	15.1
13. Ninth Ward	791	534	1.	. . .	. . .	4.5	3.5	4.4	13.4
14. Tenth Ward	937	669	1.	. . .	. . .	4.0	6.0	4.0	15.0
15. Thirteenth street	417	325	1.	. . .	. . .	2.0	2.0	2.0	7.0
16. Duncan street	1051	729	1.	. . .	. . .	3.0	9 9	3.1	17.0
17. Madison street	1489	1116	1.	3.0	4.0	4.0	10.8	3.9	26.7
18. California	483	374	1.	. . .	. . .	1.8	2.1	2.9	7.8
19. Grayson street	725	575	1.	. . .	. . .	5.0	2.0	5.0	13.0
20. Montgomery street	548	378	1.	. . .	. . .	2.0	3.0	2.0	8 0
21. Shippingport	77	58	1.	. . .	. . .	. . .	. .	1.0	2.0
22. Portland	426	297	1.	. .	1.0	1 0	3.0	1.0	7.0
Total Ward	16112	12057	22.	11.0	19.0	64.6	89.7	69.1	275.4
23. Male High	192	156	. .	. . .	. . .	. . .	. . .	. . .	7.0
24. Female High	346	300	. . .	. . .	. . .	. . .	. . .	. . .	10.0
25. Normal Class	35	33	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Ward, High, and Normal Class	16685	12546	. . .	. . .	. . .	. . .	. . .	. . .	293.4
26. Fulton Colored	167	84	1.	. . .	. . .	. .	. . .	1.0	2.0
27. Eastern Colored	1107	622	1.	. . .	. . .	2.0	6.0	3.0	12.0
28. Central Colored	970	561	1.	1.0	1.0	. . .	5.0	3.0	11.0
29. Western Colored	1139	734	1.	. . .	. . .	2.8	8.0	3.2	15.0
30. California Colored	279	169	1.	. . .	. . .	. . .	. . .	1.7	2.7
31. Portland Colored	126	89	1.	. . .	. . .	. . .	. . .	. . .	1.0
32. High Colored	34	31	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Colored	3822	2290	6.	1.0	1.0	4.8	19.0	11.9	44.7
Total Ward, High, Normal Class, and Colored	20507	14836	. . .	. . .	. . .	. . .	. . .	. . .	338.1
German Teachers	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	38.0
Total Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	376.1

TABLE D.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1882–83.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE NUMBER BELONGING.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	797	521	. .	. .	31	52	61	90	115	209	558
2. New Jerusalem	126	102	. .	. .	. .	. .	15	17	19	50	101
3. Overhill street	607	509	. .		39	68	68	76	98	176	525
4. Second Ward	1181	907	69	106	107	89	98	109	131	257	966
5. Germantown	226	194	. .	. .	. .	. .	28	42	48	75	193
6. Third Ward	810	640	. .	. .	63	95	102	95	142	177	674
7. Fourth Ward	749	580	. .	. .	67	82	100	91	98	175	613
8. Main street	648	473	.	. .	40	64	76	79	83	154	496
9. Fifth Ward	1281	1036	75	158	104	118	149	127	154	242	1127
10. Sixth Ward	1003	701	. .	. .	95	116	110	137	120	179	757
11. Seventh Ward	890	641	. .	. .	99	127	101	120	110	131	697
12. Eighth Ward	778	492	171	237	. .	. .	5	14	5	142	574
13. Ninth Ward	786	561	. .	. .	77	84	111	95	99	140	606
14. Tenth Ward	924	638	. .	. .	66	73	83	105	126	244	697
15. Thirteenth street	408	325	. .	. .	22	33	49	43	60	131	338
16. Duncan street	998	698	. .	. .	37	78	79	116	186	256	752
17. Madison street	1512	1084	87	152	143	157	111	153	128	262	1193
18. California	319	256	. .	. .	. .	. .	39	44	55	126	264
19. Grayson street	743	578	. .	. .	60	83	82	92	95	185	597
20. Montgomery street	533	381	. .	. .	45	40	42	45	58	181	411
21. Shippingport	86	59	. .	. .	. .	. .	3	8	13	32	56
22. Portland	384	303	37	37	29	27	34	45	33	70	312
Total Ward	15789	11679	439	690	1124	1386	1546	1743	1985	3594	12507
23. Male High	213	167	. .	. .	. .	. .	. .	. .	. .	. .	185
24. Female High	348	283	. .	. .	. .	. .	. .	. .	. .	. .	312
25. Normal Class	36	35	. .	. .	. .	. .	. .	. .	. .	. .	35
Total Ward, High, and Normal Class	16386	12164	. .	. .	. .	. .	. .	. .	. .	. .	13039
26. Fulton Colored	153	102	. .	. .	. .	. .	4	12	25	67	108
27. Eastern Colored	1068	555	. .	. .	27	51	57	94	133	287	649
28. Central Colored	879	484	23	59	. .	. .	65	97	74	255	573
29. Western Colored	1330	743	. .	. .	52	95	61	106	159	379	852
30. California Colored	201	123	. .	. .	. .	. .	5	14	18	63	100
31. Portland Colored	86	47	. .	. .	. .	. .	1	6	6	41	54
32. High Colored	28	22	. .	. .	. .	. .	. .	. .	. .	. .	24
Total Colored	3745	2076	23	59	79	146	193	329	415	1082	2350
Total Ward, High, Nor. C., and Col.	20131	14240	. .	. .	. .	. .	. .	. .	. .	. .	15389
33. Main street night	556	179	. .	. .	. .	. .	. .	. .	. .	. .	326
34. Duncan St. night	397	94	. .	. .	. .	. .	. .	. .	. .	. .	228
35. Eastern Col. night	250	70	. .	. .	. .	. .	. .	. .	. .	. .	122
36. West'n Col. night	336	78	. .	. .	. .	. .	. .	. .	. .	. .	133
Total Night	1539	421	. .	. .	. .	. .	. .	. .	. .	. .	809

ENROLLMENT AND ATTENDANCE FOR 1882–83.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE DAILY ATTENDANCE.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	797	521	. .	. .	30	48	56	82	103	179	498
2. New Jerusalem	126	102	. .	. .	. .	. .	14	16	16	43	89
3. Overhill street	607	503	. .	. .	38	64	64	70	90	162	488
4. Second Ward	1181	907	64	98	98	81	93	100	122	236	892
5. Germantown	226	194	. .	. .	. .	. .	27	40	44	69	180
6. Third Ward	810	640	. .	. .	58	90	96	88	131	163	626
7. Fourth Ward	749	580	. .	. .	63	77	91	85	92	152	560
8. Main street	648	473	. .	. .	36	58	69	71	74	135	443
9. Fifth Ward	1281	1036	72	149	95	108	135	119	140	211	1029
10. Sixth Ward	1003	701	. .	. .	89	106	101	127	107	150	680
11. Seventh Ward	890	641	. .	. .	92	117	92	109	105	118	633
12. Eighth Ward	778	492	160	220	. .	. .	4	11	4	107	506
13. Ninth Ward	786	561	. .	. .	72	78	105	89	95	127	566
14. Tenth Ward	924	638	. .	. .	62	66	76	98	114	217	633
15. Thirteenth street	408	325	. .	. .	20	29	47	39	57	118	310
16. Duncan street	998	698	. .	. .	35	71	74	107	171	233	691
17. Madison street	1512	1084	81	143	134	142	102	137	115	238	1092
18. California	319	256	. .	. .	. .	. .	36	41	51	114	242
19. Grayson street	743	578	. .	. .	56	79	76	87	87	162	547
20. Montgomery St.	533	381	. .	. .	43	37	39	41	55	149	364
21. Shippingport	86	59	. .	. .	. .	. .	2	7	12	24	45
22. Portland	384	303	33	33	26	24	31	40	28	61	276
Total Ward	55789	11679	410	643	1047	1257	1430	1604	1813	3168	11390
23. Male High	213	167	. .	. .	. .	. .	. .	. .	. .	. .	181
24. Female High	348	283	. .	. .	. .	. .	. .	. .	. .	. .	295
25. Normal Class	36	35	. .	. .	. .	. .	. .	. .	. .	. .	33
Total Ward, High, and Normal Class	16386	12164	.	. .	. .	. .	. .	. .	. .	. .	11899
26. Fulton Colored	153	102	. .	. .	. .	. .	4	10	20	56	90
27. Eastern Colored	1068	555	. .	. .	25	48	50	84	116	234	557
28. Central Colored	879	484	20	53	. .	. .	55	84	61	201	474
29. Western Colored	1330	743	. .	. .	48	88	54	93	134	314	731
30. California Colored	201	123	. .	. .	. .	. .	5	12	16	50	83
31. Portland Colored	86	47	. .	. .	. .	. .	1	5	5	35	46
32. High Colored	28	22	. .	. .	. .	. .	. .	. .	. .	. .	22
Total Colored	3745	2076	20	53	73	136	169	288	352	890	2003
Total Ward, High, Nor. C., and Col.	20131	14240	. .	. .	. .	. .	. .	. .	. .	. .	13902
33. Main street night	556	179	. .	. .	. .	. .	. .	. .	. .	. .	240
34. Duncan St. night	397	94	. .	. .	. .	. .	. .	. .	. .	. .	179
35. Eastern Col. night	250	70	. .	. .	. .	. .	. .	. .	. .	. .	100
36. West'n Col. night	336	78	. .	. .	. .	. .	. .	. .	. .	. .	100
Total Night	1539	421	. .	. .	. .	. .	. .	. .	. .	. .	619

ENROLLMENT AND ATTENDANCE FOR 1882-83.—Continued.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	NUMBER OF TEACHERS. Principal.	First-class Assistants.	Second-class Assistants.	Third-class Assistants.	Fourth-class Assistants.	Fifth-class Assistants.	Total . . .
1. First Ward	797	521	1.	. . .	. . .	2.0	7.0	2.7	12.7
2. New Jerusalem	126	102	1.	. . .	. . .	. . .	1.0	. . .	2.0
3. Overhill street	607	509	1.	. . .	. . .	2.0	6.0	2.9	11.9
4. Second Ward	1181	907	1.	2.0	2.6	3.9	8.1	4.0	21.6
5. Germantown	226	194	1.	. . .	. . .	1.0	1.0	1.0	4.0
6. Third Ward	810	640	1.	. . .	. . .	5.0	4.0	5.0	15.0
7. Fourth Ward	749	580	1.	. . .	. . .	4.0	4.7	4.0	13.7
8. Main street	648	473	1.	. . .	. . .	3.0	2.9	3 7	10.6
9. Fifth Ward	1281	1036	1.	2.0	4.0	4.8	4.5	7.6	23.9
10. Sixth Ward	1003	701	1.	. . .	. . .	5.8	3.6	5.7	16.1
11. Seventh Ward	890	641	1.	. . .	. . .	3.0	6 9	3.5	14.4
12. Eighth Ward	778	492	1.	4.0	6.0	1.0	1.0	1.9	14.9
13. Ninth Ward	786	561	1.	. . .	. . .	4.3	3.7	4.3	13.3
14. Tenth Ward	924	638	1.	. . .	. . .	4.0	6.0	4.0	15.0
15. Thirteenth street	408	325	1.	. . .	. . .	1.0	3.0	2.0	7.0
16. Duncan street	998	698	1.	. . .	. . .	2.9	9.8	3.2	16.9
17. Madison street	1542	1084	1.	3.0	3.4	4.0	10.8	4.1	26.3
18. California	319	256	1.	. . .	. . .	1.0	2.0	1.0	5.0
19. Grayson street	743	578	1.	. . .	. . .	4.5	2.1	5.1	12.7
20. Montgomery street	533	381	1.	. . .	. . .	2.0	3.0	2.0	8.0
21. Shippingport	86	59	1.	. . .	. .	. .	. . .	0.9	1.9
22. Portland	384	303	1.	. . .	1.0	1.0	3.0	1.0	7.0
Total Ward	15789	11679	22.	11.0	17.0	60.2	94.1	69.6	273.9
23. Male High	213	167	. . .	. . .	. . .	. . .	. . .	. . .	8.0
24. Female High	348	283	. . .	. . .	. . .	. . .	. . .	. . .	10.0
25. Normal Class	36	35	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Ward, High, and Normal Class	16386	12164	. . .	. . .	.	. . .	. . .	. . .	292.9
26. Fulton Colored	153	102	1.	. . .	. . .	. .	.	1.0	2.0
27. Eastern Colored	1068	555	1.	. . .	. . .	2.0	7.1	2.0	12.1
28. Central Colored	879	484	1.	1.0	1.0	. . .	5.1	2.9	11.0
29. Western Colored	1330	743	1.	. .	. . .	3.1	7.7	3.5	15.3
30. California Colored	201	123	0.8	. . .	. . .	. . .	. . .	0.8	1.6
31. Portland Colored	86	47	1.	. . .	. . .	. . .	. . .	. . .	1.0
32. High Colored	23	22	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Colored	3745	2076	5.8	1.0	1.0	5.1	19.9	10.2	44.0
Total Ward, High, Normal Class, and Colored	20131	14240	. . .	. . .	. . .	. . .	. . .	. . .	336.9
33. Main street night	556	179	1.	. . .	. . .	. . .	. . .	7 2	8.2
34. Duncan street night	397	94	1.	. . .	. . .	. . .	. . .	5.6	6.6
35. Eastern Colored night	250	70	1.	. . .	. . .	. . .	. . .	3.2	4.2
36. Western Colored night	336	78	1.	. . .	. . .	. . .	. . .	3.2	4.2
Total Night	1539	421	4.	. . .	. . .	. . .	. . .	19.2	23.2
German Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	34.0
Total Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	370.9

TABLE E.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1881-82.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	AVERAGE NUMBER BELONGING.								
			Grade I	Grade II	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total
1. First Ward	871	580	..	..	45	58	96	80	105	241	625
2. New Jerusalem.	118	97	..	..	..	..	15	19	14	50	98
3. Overhill street	552	529	..	..	28	75	64	82	90	174	515
4. Second Ward.	1168	871	75	106	73	139	99	110	116	231	949
5. Germantown	212	181	..	..	..	..	26	34	51	61	172
6. Third Ward	851	683	..	..	69	73	90	112	115	240	699
7. Fourth Ward.	789	615	..	..	51	93	103	102	108	191	648
8. Main street.	667	457	..	..	47	71	56	94	88	153	509
9. Fifth Ward.	1370	1010	94	132	103	115	137	140	129	264	1114
10. Sixth Ward	990	668	..	..	99	132	127	113	120	161	752
11. Seventh Ward	859	575	..	..	90	132	113	117	79	122	653
12. Eighth Ward.	889	542	166	229	..	..	7	6	81	135	624
13. Ninth Ward	737	526	..	..	59	82	88	93	87	138	547
14. Tenth Ward	992	665	..	..	70	86	100	109	115	242	722
15. Thirteenth street.	459	359	..	..	22	53	47	64	50	130	366
16. Duncan street	1077	722	..	..	38	73	120	103	136	338	808
17. Madison street	1414	975	92	129	96	145	122	130	157	227	1098
18. California	300	241	..	..	..	..	34	49	47	119	249
19. Grayson street	722	542	..	..	42	84	99	92	87	164	568
20. Montgomery street	621	462	..	43	40	49	45	48	59	186	470
21. Shippingport	83	62	..	..	..	..	10	6	11	43	70
22. Portland	348	262	35	..	33	31	19	39	36	70	263
Total Ward	16089	11624	462	639	1605	1493	1617	1742	1881	3680	12519
23. Male High	210	175	..	..	..	..	..	..	..	..	184
24. Female High	435	331	..	..	..	..	..	..	..	..	383
25. Normal Class.	32	26	..	..	..	..	..	..	..	..	26
Total Ward, High, and Normal Class	16766	12156	..	..	..	..	..	..	..	..	13112
26. Fulton Colored	188	119	..	..	..	..	9	11	24	75	119
27. Eastern Colored	1070	525	..	..	41	41	58	99	330	277	646
28. Central Colored	877	485	24	56	..	..	59	96	109	252	596
29. Western Colored	1170	768	..	..	46	64	60	104	148	421	843
30. Portland Colored	94	40	..	..	..	5	5	5	8	34	57
31. "A Grade" Col'd	21	15	..	..	..	..	..	..	..	..	17
Total Colored	3420	1952	24	56	87	110	191	315	419	1059	2278
Total Ward, High, Nor. C., and Col.	20186	14108	..	..	..	..	..	..	..	..	15390

ENROLLMENT AND ATTENDANCE FOR 1881–82.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE DAILY ATTENDANCE.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	871	580	. .	. .	41	51	88	73	90	205	548
2. New Jerusalem	118	97	. .	. .	. .	. .	14	17	13	42	86
3. Overhill street	552	529	. .	. .	27	72	61	77	84	157	478
4. Second Ward	1168	871	71	98	67	128	90	100	104	209	867
5. Germantown	212	181	. .	. .	. .	. .	25	32	47	56	160
6. Third Ward	851	683	. .	. .	65	68	84	104	106	217	644
7. Fourth Ward	789	615	. .	. .	47	87	96	92	98	163	583
8. Main street	667	457	. .	. .	43	63	51	84	77	133	451
9. Fifth Ward	1370	1010	86	124	97	106	124	130	116	240	1023
10. Sixth Ward	990	668	. .	. .	88	122	117	102	107	132	668
11. Seventh Ward	859	575	. .	. .	82	120	103	105	69	103	582
12. Eighth Ward	883	542	154	214	. .	. .	5	4	68	104	549
13 Ninth Ward	737	526	. .	. .	54	78	81	88	82	124	507
14. Tenth Ward	992	665	. .	. .	65	78	93	100	106	216	658
15. Thirteenth street.	459	359	. .	. .	19	47	43	58	43	113	323
16. Duncan street	1077	722	. .	. .	36	68	109	94	121	300	728
17. Madison street	1414	975	87	119	85	134	109	121	143	196	994
18. California	300	241	. .	. .	. .	. .	32	45	44	109	230
19. Grayson street	722	542	. .	. .	40	78	91	86	78	143	516
20. Montgomery street	621	462	. .	40	37	44	41	45	53	146	406
21. Shippingport	73	62	. .	. .	. .	. .	8	5	10	30	53
22. Portland	348	262	32	. .	31	27	17	34	31	62	234
Total Ward	16089	11624	430	595	924	1371	1482	1596	1690	3200	11288
23. Male High	210	175	. .	. .	. .	. .	. .	. .	. .	. .	179
24. Female High	435	331	. .	. .	. .	. .	. .	. .	. .	. .	360
25. Normal Class	32	26	. .	. .	. .	. .	. .	. .	. .	. .	24
Total Ward, High, and Normal Class	16766	12156	. .	. .	. .	. .	. .	. .	. .	. .	11851
26. Fulton Colored	188	119	. .	. .	. .	. .	8	9	19	58	94
27. Eastern Colored	1070	525	. .	. .	36	37	51	85	112	227	548
28 Central Colored	877	485	20	50	. .	. .	51	82	91	189	483
29. Western Colored	1170	768	. .	. .	41	56	54	90	127	359	727
30. Portland Colored.	94	40	. .	. .	. .	4	3	4	6	25	42
31. "A Grade" Col'd	21	15	. .	. .	. .	. .	. .	. .	. .	. .	15
Total Colored	3420	1952	20	50	77	97	167	270	355	858	1909
Total Ward, High, Nor. C., and Col.	20186	14108	. .	. .	. .	. .	. .	. .	. .	. .	13760

ENROLLMENT AND ATTENDANCE FOR 1881–82.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	NUMBER OF TEACHERS. Principal . .	First-class Intermediate Assistants.	Second-class Intermediate Assistants.	Second-class Assistants.	Third-class Assistants.	Fourth-class Assistants.	Total . . .
1. First Ward	871	580	1.	. . .	. . .	2.0	7.0	3.0	13.0
2. New Jerusalem	118	97	1.	. . .	. . .	. . .	1.0	. . .	2.0
3. Overhill street	552	529	1.	. . .	. . .	2.0	6.0	2.0	11.0
4. Second Ward	1163	871	1.	2.0	2.8	3.0	8.9	3.1	20.8
5. Germantown	212	181	1.	. . .	. . .	. . .	1.0	1.0	3.0
6. Third Ward	851	683	1.	. . .	. . .	5.0	4.0	5.0	15.0
7. Fourth Ward	789	615	1.	. . .	. . .	4.0	4 0	4.0	13.0
8. Main street	667	457	1.	.	. .	3.0	2.6	4.2	10.8
9. Fifth Ward	1370	1010	1.	2,0	3.7	4.3	4.0	7.8	22.8
10. Sixth Ward	590	668	1.	. . .	. . .	4.9	4.9	5.1	15.9
11. Seventh Ward	859	575	1.	. . .	. . .	3.6	4.4	4.2	13.2
12. Eighth Ward	889	542	1.	5.0	5.3	0.1	2.9	1.0	15.3
13. Ninth Ward	737	526	1.	. . .	. . .	. . .	11.2	. . .	12.2
14. Tenth Ward	992	665	1.	. . .	. . .	5.0	4.0	5.0	15.0
15. Thirteenth street	459	359	1.	. . .	. . .	1 0	3 0	1.9	6.9
16. Duncan street	1077	722	1.	. . .	. . .	3.0	10.0	3.0	17.0
17. Madison street	1414	975	1.	2.9	3.0	4.0	9.0	4.0	23.9
18. California	300	241	1.	. . .	. . .	1.0	2.0	0.9	4.9
19. Grayson street	722	542	1.	. . .	. . .	5.0	1.0	5.0	12.0
20. Montgomery street	621	462	1.	. . .	0.9	2.0	4.0	2.0	9.9
21. Shippingport	83	62	1..	. . .	. . .	. . .	. . .	1.0	2.0
22. Portland	348	262	1.	. . .	. . .	1.0	3.0	1.0	6.0
Total Ward	16089	11624	22.	11.9	15.7	53.9	97.9	64 2	265.6
23. Male High	210	175	. . .	. . .	. . .	. . .	. . .	. . .	8.0
24. Female High	435	331	. . .	. . .	. . .	. . .	. . .	. . .	9.8
25. Normal Class	32	26	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Ward, High, and Normal Class	16766	12156	. . .	. . .	. . .	. . .	. . .	. . .	284.4
26. Fulton Colored	188	119	1.	. . .	. . .	. . .	. . .	1.0	2.0
27. Eastern Colored	1060	525	1.	. . .	. . .	2.0	6.8	2.2	12.0
28. Central Colored	877	485	1.	1.0	1.0	1.0	6.0	1.0	11.0
29. Western Colored	1170	768	1.	. . .	. . .	3.0	7.6	3.2	14 8
30. Portland Colored	94	40	1.	. . .	. . .	. . .	. .	. . .	1.0
31. "A Grade" Colored	21	15	. . .	. . .	. . .	. . .	. . .	. . .	1.0
Total Colored	3420	1952	5.	1.0	1.0	6.0	20.4	7 4	41.8
Total Ward, High, Normal Class, and Colored	20186	14108	.	. . .	. . .	. . .	. .	. . .	326.2
German Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	32.0
Total Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	358.2

TABLE F.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1880-81.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	AVERAGE NUMBER BELONGING.								
			Grade I . .	Grade II . .	Grade III .	Grade IV .	Grade V . .	Grade VI .	Grade VII .	Grade VIII	Total . . .
1. First Ward	899	544	. .	. .	42	55	91	107	91	231	617
2. New Jerusalem .	126	101	. .	. .	. .	. .	13	25	11	52	101
3. Overhill street . .	547	507	.	. .	28	50	90	73	90	164	495
4. Second Ward . .	1087	867	81	133	50	92	147	111	115	196	925
5. Germantown . .	207	175	. .	. .	. .	. .	27	33	40	65	165
6. Third Ward . . .	875	686	. .	. .	61	85	82	109	133	233	703
7. Fourth Ward . .	715	583	. .	. .	51	64	99	104	83	178	599
8. Main street . . .	632	482	. .	. .	50	59	79	70	98	138	494
9. Fifth Ward . . .	1231	957	87	136	79	109	130	143	123	207	1014
10. Sixth Ward . . .	963	664	. .	. .	111	110	155	117	108	145	746
11. Seventh Ward . .	788	541	. .	. .	73	107	124	121	82	94	601
12. Eighth Ward . .	839	582	193	239	. .	. .	5	4	61	150	652
13. Ninth Ward . . .	775	568	. .	. .	57	94	101	105	99	128	584
14. Tenth Ward . . .	1239	916	. .	. .	83	84	137	143	171	342	960
15. Duncan street . .	967	743	. .	. .	43	71	98	126	132	300	770
16. Madison street . .	1385	999	114	133	106	133	132	143	132	218	1111
17. California	342	240	. .	. .	. .	. .	47	45	52	121	265
18. Grayson street . .	697	560	. .	. .	41	63	112	117	89	148	570
19. Montgomery street	541	392	. .	. .	39	47	51	50	55	167	409
20. Shippingport . .	82	69	. .	. .	. .	. .	11	8	5	37	61
21. Portland	384	280	48	29	36	35	33	36	30	62	309
Total Ward . . .	15321	11456	523	670	950	1278	1764	1790	1800	3376	12151
22. Male High	192	174	. .	. .	. .	. .	. .	. .	. .	. .	179
23. Female High . . .	390	333	. .	. .	. .	. .	. .	. .	. .	. .	360
Total Ward and High	15903	11963	. .	. .	. .	. .	. .	. .	. .	. .	12690
24. Fulton Colored .	156	107	. .	. .	. .	. .	3	9	21	75	108
25. Eastern Colored .	944	522	. .	. .	40	59	46	111	140	219	615
26. Central Colored .	991	517	34	47	. .	. .	56	76	120	279	612
27. Western Colored .	1091	571	. .	. .	46	78	51	63	147	321	706
28. Portland Colored .	85	44	. .	. .	. .	. .	6	6	8	36	56
29. "A Grade" Col'd	19	10	. .	. .	. .	. .	. .	. .	. .	. .	15
Total Colored . .	3286	1771	34	47	86	137	162	265	436	930	2112
Total Ward, High, and Colored . .	19189	13734	. .	. .	. .	. .	. .	. .	. .	. .	14802

ENROLLMENT AND ATTENDANCE FOR 1880-81.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	AVERAGE DAILY ATTENDANCE.								
			Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII	Total
1. First Ward	899	544			38	51	84	97	80	189	539
2. New Jerusalem	126	101					12	23	9	40	84
3. Overhill street	547	507			28	48	88	69	83	149	461
4. Second Ward	1087	867	76	125	47	86	137	102	105	177	855
5. Germantown	207	175					25	31	38	61	155
6. Third Ward	875	686			58	80	77	103	123	209	650
7. Fourth Ward	715	583			48	79	92	96	76	155	546
8. Main street	632	482			45	55	72	64	87	120	443
9. Fifth Ward	1231	957	81	128	74	103	119	134	110	176	925
10. Sixth Ward	963	664			101	100	141	106	99	117	664
11. Seventh Ward	788	541			68	98	114	111	74	83	548
12. Eighth Ward	839	582	179	222			4	3	55	128	591
13. Ninth Ward	775	568			53	88	95	100	95	114	545
14. Tenth Ward	1239	916			77	79	128	132	155	299	870
15. Duncan street	967	743			41	66	94	117	118	273	709
16. Madison street	1385	999	106	123	95	123	119	129	120	194	1009
17. California	342	240					43	41	48	109	241
18. Grayson street	697	560			39	57	106	106	80	127	515
19. Montgomery street	541	392			36	42	47	45	49	131	350
20. Shippingport	82	69					10	7	5	31	53
21. Portland	384	280	44	27	32	31	28	31	25	53	271
Total Ward	15321	11456	486	625	850	1186	1631	1647	1634	2935	10994
22. Male High	192	174									176
23. Female High	390	333									342
Total Ward and High	15903	11963									11512
24. Fulton Colored	156	107					2	8	17	60	87
25. Eastern Colored	944	522			36	51	39	100	125	187	538
26. Central Colored	991	517	29	43			46	64	97	211	490
27. Western Colored	1091	571			42	68	45	54	128	253	590
28. Portland Colored	85	44					5	5	7	23	40
29. "A Grade" Col'd	19	10									13
Total Colored	3286	1771	29	43	78	119	137	231	374	734	1758
Total Ward, High, and Colored	19189	13734									13270

ENROLLMENT AND ATTENDANCE FOR 1880-81.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	NUMBER OF TEACHERS.							
			Principal	First-class Intermediate Assistants	Second-class Intermediate Assistants	Second-class Assistants	Third-class Assistants	Fourth-class Assistants	Total
1. First Ward	899	544	1.			3.2	3.4	4.5	12.1
2. New Jerusalem	126	101	1.					1.0	2.0
3. Overhill street	547	507	1.			2.0	5.0	2.0	10.0
4. Second Ward	1087	867	1.	2.0	3.0	2.0	8.8	2.2	19.0
5. Germantown	207	175	1.				1.0	1.0	3.0
6. Third Ward	875	636	1.			4.0	5.0	4.0	14.0
7. Fourth Ward	715	583	1.			4.0	3.0	4.0	12.0
8. Main street	632	482	1.			3.0	1.9	3.6	9.5
9. Fifth Ward	1231	957	1.	2.0	2.9	4.0	6.0	4.0	19.9
10. Sixth Ward	963	664	1.			4.4	4.7	4.4	14.5
11. Seventh Ward	788	541	1.			2.0	6.4	2.3	11.7
12. Eighth Ward	839	582	1.	4.0	4.9	1.0	1.7	1.0	13.6
13. Ninth Ward	775	568	1.				10.9		11.9
14. Tenth Ward	1239	916	1.			6.8	3.2	7.2	18.2
15. Duncan street	967	743	1.			2.9	8.1	3.0	15.0
16. Madison street	1385	999	1.	2.0	3.0	3.8	6.9	4.3	2.1
17. California	342	240	1.			1.0	1.7	1.0	4.7
18. Grayson street	697	560	1.			3.0	3.9	3.1	11.0
19. Montgomery street	541	392	1.			1.0	4.0	1.0	7.0
20. Shippingport	82	69	1.					0.3	1.3
21. Portland	384	280	1.		1.0	1.2	1.8	1.5	6.5
Total Ward	15321	11456	21.	10.0	14.8	49.3	87.4	55.4	237.9
22. Male High	192	174							8.0
23. Female High	390	333							10.0
Total Ward and High	15903	11963							255.9
24. Fulton Colored	156	107	1.					1.0	2.0
25. Eastern Colored	944	522	1.			3.0	3.3	3.9	11.2
26. Central Colored	991	517	1.	1.0	1.0	2.0	2.0	3.8	10.8
27. Western Colored	1091	571	1.			3.0	3.9	4.7	12.6
28. Portland Colored	85	44	1.						1.0
29. "A Grade" Colored	19	10							1.0
Total Colored	3286	1771	5.	1.0	1.0	8.0	9.2	13.4	38.6
Total Ward, High, and Colored	19189	13734							294.5
German Teachers									30.0
Total Teachers									324.5

TABLE G.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1879–80.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	AVERAGE NUMBER BELONGING.								
			Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII	Total
1. First Ward	618	418	. .	. .	52	61	55	83	68	132	451
2. Fulton	252	157	. .	. .	. . .	. . .	18	35	39	80	172
3. New Jerusalem	129	100	. .	. .	. .	. . .	16	16	17	57	106
4. Overhill street	513	450	. .	. .	34	46	52	92	70	147	441
5. Second Ward	1133	798	82	106	52	73	82	164	96	191	846
6. Germantown	213	171	. .	. .	. .	. . .	23	36	45	58	162
7. Third Ward	902	679	. .	. .	67	91	88	96	118	263	723
8. Fourth Ward	780	606	. .	. .	47	83	93	117	105	191	636
9. Main street	652	497	. .	50	66	61	57	79	86	127	526
10. Fifth Ward	1125	952	72	115	101	112	111	147	155	223	1026
11. Sixth Ward	1006	697	. .	. .	103	131	103	160	119	178	764
12. Sixth W'd Prim'y	130	90	. .	. .	. .	. . .	17	23	23	30	93
13. Seventh Ward	859	542	. .	. .	86	102	136	136	91	102	653
14. Eighth Ward	724	487	152	207	. . .	. . .	. . .	. . .	63	136	558
15. Ninth Ward	864	572	. .	46	71	74	94	107	100	140	632
16. Tenth Ward	1374	960	29	67	76	98	117	158	146	347	1038
17. Duncan street	1103	717	. .	. .	37	62	93	164	140	300	796
18. Madison street	1388	961	85	107	95	137	124	151	140	225	1064
19. California	292	214	. .	. .	. . .	. . .	35	51	49	92	227
20. Grayson street	706	519	. .	. .	46	59	77	106	104	165	557
21. Montgomery street	577	485	. .	53	34	49	43	49	54	217	499
22. Shippingport	66	55	. .	. .	. . .	. .	6	15	12	23	56
23. Portland	402	287	38	23	16	39	45	45	40	74	320
Total Ward	15808	11414	458	774	983	1268	1485	2030	1880	3468	12346
24. Male High	251	194	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	214
25. Female High	362	328	. .	. .	. . .	. .	. . .	. . .	. . .	. . .	337
Total Ward and High	16421	11936	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	12897
26. Fulton Colored	159	90	. .	. .	3	6	4	7	19	69	108
27. Eastern Colored	1013	533	. .	. .	33	40	35	91	134	277	610
28. Central Colored	1098	598	23	57	26	32	51	60	129	311	689
29. Western Colored	1208	559	. .	. .	42	58	49	57	128	354	688
30. Portland Colored	78	33	. .	. .	. . .	4	8	3	6	25	46
31. "A Grade" Col'd	13	12	. .	. .	. . .	. . .	. . .	. . .	. .	. . .	13
Total Colored	3569	1825	23	57	104	140	147	218	416	1036	2154
Total Ward, High, and Colored	19990	13761	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	15051

ENROLLMENT AND ATTENDANCE FOR 1879-80.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year	No. remaining at this date	AVERAGE DAILY ATTENDANCE.								
			Grade I	Grade II	Grade III	Grade IV	Grade V	Grade VI	Grade VII	Grade VIII	Total
1. First Ward	618	418	..	..	48	55	51	76	61	120	411
2. Fulton	252	157	..	..	..	..	16	32	33	67	148
3. New Jerusalem	129	100	..	..	..	..	15	15	14	50	94
4. Overhill street	513	450	..	..	33	43	49	87	65	137	414
5. Second Ward	1133	798	77	98	48	66	76	152	87	176	780
6. Germantown	213	171	..	..	..	..	22	34	43	53	152
7. Third Ward	902	679	..	..	62	86	81	88	109	236	662
8. Fourth Ward	780	606	..	..	44	78	86	108	97	163	576
9. Main street	652	497	..	46	60	56	53	73	78	109	475
10. Fifth Ward	1125	952	66	107	96	95	103	134	138	187	926
11. Sixth Ward	1006	697	..	..	93	118	95	145	107	125	683
12. Sixth W'd Prim'y	130	90	..	..	..	..	15	22	22	27	86
13. Seventh Ward	859	542	..	..	80	93	124	125	79	90	591
14. Eighth Ward	724	487	140	190	..	..	..	..	56	113	499
15. Ninth Ward	864	572	..	43	67	70	86	102	96	125	589
16. Tenth Ward	1374	960	27	60	70	90	108	145	132	300	932
17. Duncan street	1103	717	..	..	35	57	89	151	127	264	723
18. Madison street	1388	961	78	100	85	125	112	135	126	199	960
19. California	292	214	..	..	..	..	33	47	44	79	203
20. Grayson street	706	519	..	..	43	56	71	97	94	141	502
21. Montgomery street	577	485	..	47	31	44	39	44	49	161	415
22. Shippingport	66	55	..	..	..	..	5	14	10	19	48
23. Portland	402	287	35	22	15	35	41	41	35	68	292
Total Ward	15808	11414	423	713	910	1167	1370	1867	1702	3009	11161
24. Male High	251	194	..	..	..	..	..	..	..	..	209
25. Female High	362	328	..	..	..	..	..	..	..	..	320
Total Ward and High	16421	11936	..	..	..	..	..	..	..	..	11690
26. Fulton Colored	159	90	..	..	3	5	3	6	15	51	83
27. Eastern Colored	1013	533	..	..	31	36	31	80	120	236	534
28. Central Colored	1098	598	20	53	24	29	45	52	114	234	571
29. Western Colored	1208	559	..	..	39	53	42	50	111	275	570
30. Portland Colored	78	33	..	..	..	3	7	3	5	20	38
31. "A Grade" Col'd	13	12	..	..	..	..	..	..	..	..	12
Total Colored	3569	1825	20	53	97	126	128	191	365	816	1808
Total Ward, High, and Colored	19990	13761	..	..	..	..	..	..	..	..	13498

ENROLLMENT AND ATTENDANCE FOR 1879-80.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	NUMBER OF TEACHERS. Principal	First-class Interm. Assistants	Second-class Interm Assistants	Second-class Assistants.	Third-class Assistants.	Fourth-class Assistants.	Total
1. First Ward	618	418	1.	. . .	. . .	2.9	2.1	2.8	8.0
2. Fulton	252	157	1.	. . .	. . .	1.0	. . .	2.0	4.8
3. New Jerusalem	129	100	1.	. . .	. . .	. . .	. .	1.0	2.0
4. Overhill street	513	450	1.	. . .	. . .	2.0	3.0	3.0	9.0
5. Second Ward	1133	798	1.	2.0	2.3	3.0	5.2	3.8	17.3
6. Germantown	213	171	1.	. . .	. . .	. . .	0.9	1.1	3.0
7. Third Ward	902	679	1.	. .	. . .	4.0	5.0	3.9	13.9
8. Fourth Ward	780	606	1.	. .	. . .	4.0	3.5	3.8	12.3
9. Main street	652	497	1.	. . .	1.0	3.0	2.3	3.0	10.3
10. Fifth Ward	1125	952	1.	2.0	2.0	4.1	6.8	4.1	20.0
11. Sixth Ward	1006	697	1.	. . .	. . .	4.8	4.1	4.6	14.5
12. Sixth Ward Primary	130	90	1.	. . .	. . .	. . .	0.4	. . .	1.4
13. Seventh Ward	859	542	1.	. . .	. . .	2.0	7.5	1.8	12.3
14. Eighth Ward	724	487	1.	3.6	4.0	1.0	1.0	1.0	11.6
15. Ninth Ward	864	572	1.	. . .	1.0	. . .	10.7	. . .	12.7
16. Tenth Ward	1374	960	1.	1.0	1.0	6.0	4.8	6.0	19.8
17. Duncan street	1103	717	1.	. . .	. . .	1.6	11.4	1.7	15.7
18. Madison street	1388	961	1.	2.0	1.9	5.0	5.0	4.8	19.7
19. California	292	214	1.	. . .	. . .	. . .	3.0	. .	4.0
20. Grayson street	706	519	1.	. . .	. . .	3.0	3.7	2.9	10.6
21. Montgomery street	577	485	1.	. .	1.0	2.0	3.4	2.0	9.4
22. Shippingport	66	55	1.	. . .	. . .	. . .	. . .	. . .	1.0
23. Portland	402	287	1.	. . .	1.0	1.4	1.7	1.4	6.5
Total Ward	15808	11414	23.	10.6	15.2	50.8	85.5	54.7	239.8
24. Male High	251	194	. . .	. . .	. . .	. . .	. . .	. . .	7.0
25. Female High	362	328	. . .	. . .	. . .	. . .	. . .	. . .	9.0
Total Ward and High	16421	11936	. . .	. . .	. . .	. . .	. . .	. . .	255.8
26. Fulton Colored	159	90	1.	. . .	. . .	. . .	. . .	1.0	2.0
27. Eastern Colored	1013	533	1.	. . .	. . .	3.0	2 0	4.0	10.0
28. Central Colored	1098	598	1.	1.0	1.0	3.0	2.0	4.0	12.0
29. Western Colored	1208	559	1.	. . .	. . .	2.0	3.0	6.1	12.1
30. Portland Colored	78	33	1.	. . .	. . .	. .	. . .	. . .	1.0
31. "A Grade" Colored	12	12	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Total Colored	3569	1825	5.	1.0	1.0	8 0	7.0	15.1	37.1
Total Ward, High, and Colored	19990	13761	. . .	. . .	. . .	. . .	. . .	. . .	292.8
German Teachers	. . .	. . .	. . .	. . .	. . .	. .	. . .	. . .	28.0
Total Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	320.8

TABLE H.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1878-79.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE NUMBER BELONGING.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	599	430	. .	. .	42	75	47	57	84	145	450
2. Fulton street	238	184	. .	. .	. . .	. . .	25	23	32	91	171
3. New Jerusalem	101	73	. .	. .	. . .	. . .	7	10	16	39	72
4. Overhill street	515	440	. .	. .	26	42	55	69	109	141	442
5. Second Ward	1016	768	73	94	63	67	75	87	152	202	813
6. Germantown	213	177	. .	. .	. . .	. . .	42	21	37	70	170
7. Third Ward	878	679	. .	. .	72	88	95	90	102	244	691
8. Fourth Ward	815	609	. .	. .	46	79	98	91	143	187	644
9. Main street	715	518	. .	42	51	70	65	65	86	159	538
10. Fifth Ward	1156	924	70	98	85	116	102	115	147	264	997
11. Sixth Ward	1071	750	. .	75	88	97	125	119	149	176	829
12. Seventh Ward	873	614	. .	. .	85	106	125	147	99	122	684
13. Eighth Ward	665	461	159	164	. .	. .	. .	. .	65	140	528
14. Ninth Ward	815	570	. .		64	98	76	97	118	154	607
15. Tenth Ward	1471	992	. .	82	78	99	118	152	204	346	1079
16. Duncan street	1065	789	. .	. .	45	65	82	95	165	364	816
17. Madison street	1302	953	79	77	103	108	111	147	144	236	1005
18. California	286	212	. .	. .	. . .	. . .	37	47	56	88	228
19. Grayson street	728	599	. .	42	52	45	63	84	107	203	596
20. Montgomery street	585	445	. .	. .	40	52	46	53	55	197	443
21. Shippingport	104	82	. .	. .	. . .	. .	8	14	23	36	81
22. Portland	420	297	32	34	23	21	43	47	30	94	324
Total Ward	15631	11566	413	708	963	1228	1445	1630	2123	3698	12208
23. Male High	261	220	. .	. .	. . .	. . .	. .	. . .	. . .	. . .	235
24. Female High	377	332	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	348
Total Ward and High	16269	12118	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	12791
25. Fulton Colored	136	85	. .	. .	. . .	6	7	9	14	50	86
26. Eastern Colored	927	518	. .	.	21	54	47	43	124	383	572
27. Central Colored	1090	576	17	40	33	31	45	64	88	333	651
28. Western Colored	947	597	. .	. .	29	61	68	57	91	304	610
29. Portland Colored	100	53	. .	. .	1	2	3	13	9	30	58
30. "A Grade" Col'd	15	13	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	14
Total Colored	3215	1842	17	40	84	154	170	186	326	1000	1991
Total Ward, High, and Colored	19484	13960	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	14782

ENROLLMENT AND ATTENDANCE FOR 1878–79.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE DAILY ATTENDANCE.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII	Total.
1. First Ward	599	430	. .	. .	38	67	43	52	75	128	403
2. Fulton street	238	184	. .	. .	. . .	. . .	22	20	28	74	144
3. New Jerusalem	101	73	. .	. .	. . .	. . .	6	9	14	33	62
4. Overhill street	515	440	. .	. .	24	40	52	64	102	133	415
5. Second Ward	1016	768	68	88	58	62	69	80	143	188	756
6 Germantown	213	177	. .	. .	. . .	. . .	39	19	35	62	155
7. Third Ward	878	679	. .	. .	66	83	89	82	97	219	636
8. Fourth Ward	815	609	. .		43	74	90	86	133	168	594
9. Main street	715	518	. .	40	48	65	59	58	79	142	491
10. Fifth Ward	1156	924	65	89	79	103	96	109	134	230	905
11. Sixth Ward	1071	750	. .	70	81	89	111	109	137	146	743
12. Seventh Ward	873	614	. .	. .	79	94	114	136	90	106	619
13. Eighth Ward	665	461	150	152	. . .	. . .	. . .	. . .	58	124	484
14. Ninth Ward	815	570	. .	. .	57	88	68	89	104	135	541
15. Tenth Ward	1471	992	. .	76	70	90	108	136	186	297	963
16. Duncan street	1065	789	. .	. .	43	60	79	89	155	334	760
17. Madison street	1302	953	76	73	94	100	103	138	131	215	930
18. California	286	212	. .	. .	. . .	. . .	33	43	51	77	204
19. Grayson street	728	599	. .	38	49	42	58	75	99	182	543
20. Montgomery street	585	445	. .	. .	37	47	44	50	50	163	391
21. Shippingport	104	82	. .	. .	. . .	. . .	7	13	21	20	71
22. Portland	420	297	29	31	20	19	39	43	27	84	292
Total Ward	15631	11566	388	657	886	1123	1329	1500	1949	3270	11102
23. Male High	261	220	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	229
24. Female High	377	332	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	331
Total Ward and High	16269	12118	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	11662
25. Fulton Colored	136	85	. .	. .	. . .	6	5	8	12	43	74
26. Eastern Colored	927	518	. .	. .	20	49	44	38	110	248	509
27. Central Colored	1090	576	16	37	29	26	38	59	80	289	574
28. Western Colored	647	597	. .	. .	27	54	61	52	74	250	518
29. Portland Colored	100	53	. .	. .	1	2	2	13	9	28	55
30. "A Grade" Col'd	15	13	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	13
Total Colored	3215	1842	16	37	77	137	150	170	285	858	1743
Total Ward, High, and Colored	19484	13560	. .	. .	. . .	. . .	. .	. .	. . .	. .	13405

ENROLLMENT AND ATTENDANCE FOR 1878–79.—Continued.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date	NUMBER OF TEACHERS.						
			Principal	Head Assistants	Intermediate Assistants.	First-class Assistants.	Second-class Assistants.	Third-class Assistants.	Total
1. First Ward	599	430	1.			2.9	2.1	3.0	9.0
2. Fulton street	238	184	1.			1.0	1.0	1.0	4.0
3. New Jerusalem	101	73	1.						1.0
4. Overhill street	515	440	1.			2.0	3.4	2.6	9.0
5. Second Ward	1016	768	1.	2.0	2.2	3.0	6.0	3.0	17.2
6. Germantown	213	177	1.				2.0		3.0
7. Third Ward	878	679	1.			4.0	4.9	4.0	13.9
8. Fourth Ward	815	609	1.			4.0	4.0	4.0	13.0
9. Main street	715	518	1.		1.0	3.0	2 7	3.1	10.8
10. Fifth Ward	1156	924	1.	2.0	2.0	4.0	6.0	5.0	20.0
11. Sixth Ward	1071	750	1.		2.0	4.0	4.1	4.8	15.9
12. Seventh Ward	873	614	1.			2.0	8.0	2.0	13.0
13. Eighth Ward	665	461	1.	4.0	4.0	1.0	1.0	1 0	12.0
14. Ninth Ward	815	570	1.			3.0	5.3	3 0	12.3
15. Tenth Ward	1471	992	1.		2.0	6.0	5.7	5.3	20.0
16. Duncan street	1065	739	1.			3.0	9.0	3.0	16.0
17. Madison street	1302	953	1.	2.0	2.0	4.8	5.2	4.9	19.9
18. California	286	212	1.				3.0		4.0
19. Grayson street	728	599	1.		1.0	2.8	4.2	2.8	11.8
20. Montgomery street	585	445	1.			2.0	3.6	2.0	8.6
21. Shippingport	104	82	1.					1.0	2.0
22. Portland	420	297	1.		1.0	1.0	2.9	1.1	7.0
Total Ward	15631	11566	22.	10.0	17.2	53.5	84.1	56.6	243.4
23. Male High	201	220							8.0
24. Female High	377	332							12.0
Total Ward and High	16269	12118							263.4
25. Fulton Colored	136	85	1.					1.0	2.0
26. Eastern Colored	927	518	1.			3.0	3.0	3.0	10.0
27. Central Colored	1090	576	1.	1.0	1.0	2.8	2.1	4.4	12.3
28. Western Colored	947	597	1.			2.9	1.7	5.3	10.9
29. Portland Colored	100	53	1.						1.0
30. "A Grade" Colored	15	13							
Total Colored	3215	1842	5.	1.0	1.0	8.7	6.8	13.7	36.2
Total Ward, High, and Colored	19484	13360							299.6
German Teachers									28.0
Total Teachers									327.6

TABLE I.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1877–78.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE NUMBER BELONGING.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	635	435	. .	. .	49	60	56	56	56	161	438
2. Fulton	233	187	. .	. .	. .	. .	28	30	28	106	192
3. New Jerusalem	69	58	. .	. .	. .	. .	8	8	9	32	57
4. Overhill	503	371	. .	. .	27	48	48	71	72	138	404
5. Second Ward	1102	831	96	123	84	69	72	97	103	262	906
6 Germantown	215	188	. .	. .	. .	. .	23	46	27	81	177
7. Third Ward	861	636	. .	. .	73	93	69	109	105	220	669
8. Fourth Ward	866	668	. .	. .	42	86	102	109	131	107	667
9. Main street	571	349	. .	. .	40	64	53	66	65	102	390
10. Fifth Ward	1,304	962	71	116	93	87	106	107	130	317	1027
11. Sixth Ward	992	703	. .	. .	117	103	100	116	123	194	753
12. Seventh Ward	887	597	. .	. .	84	91	124	120	98	137	654
13. Eighth Ward	715	481	152	199	. .	. .	. .	. .	59	144	554
14. Ninth Ward	851	591	. .	. .	73	90	112	80	95	175	625
15. Tenth Ward	1403	963	. .	.	75	115	121	126	191	377	1005
16. Duncan street	1151	803	. .	. .	48	63	80	98	121	408	818
17. Madison street	1355	922	117	131	83	105	108	116	140	240	1040
18. California	297	206	. .	. .	. .	. .	23	51	33	109	216
19. Grayson street	686	502	. .	. .	46	50	50	66	79	220	511
20. Montgomery street	473	390	. .	. .	37	47	48	45	42	152	371
21. Shippingport	93	85	. .	. .	. .	. .	7	9	14	43	73
22. Portland	424	290	42	37	23	22	24	52	35	82	317
Total Ward	15686	11218	478	606	994	1193	1362	1578	1756	3897	11864
23. Male High	247	210	. .	. .	. .	. .	. .	. .	. .	. .	229
24. Female High	344	295	. .	. .	. .	. .	. .	. .	. .	. .	316
25. Training	32	32	. .	. .	. .	. .	. .	. .	. .	. .	31
Total Ward, High, and Training	16309	11755	. .	. .	. .	. .	. .	. .	. .	. .	12440
26. Fulton Colored	107	77	. .	. .	. .	3	7	5	13	55	83
27. Eastern Colored	792	500	.	. .	16	17	53	63	73	270	492
28. Central Colored	1057	512	15	48	23	29	41	67	80	273	576
29. Western Colored	950	477	. .	. .	23	33	52	87	118	270	583
30. Portland Colored.	68	44	. .	. .	. .	2	1	5	13	30	51
31. "A Grade" Col'd	9	9	. .	. .	. .	. .	. .	. .	. .	. .	9
Total Colored	2983	1619	15	48	62	84	154	227	297	898	1794
Total Ward, High, Training & Col'd.	19292	13374	. .	. .	. .	. .	. .	. .	. .	. .	14234

ENROLLMENT AND ATTENDANCE FOR 1877-78.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	AVERAGE DAILY ATTENDANCE.								
			Grade I. .	Grade II. .	Grade III. .	Grade IV. .	Grade V. .	Grade VI. .	Grade VII.	Grade VIII.	Total. . .
1. First Ward . . .	635	435	. .	. .	43	53	52	50	49	144	391
2. Fulton	233	187	. .	. .	. . .	. . .	26	27	24	95	172
3. New Jerusalem .	69	58	. .	. .	. . .	. . .	7	7	8	29	51
4. Overhill	503	371	. .	. .	26	45	45	66	67	128	377
5. Second Ward . .	1102	831	91	115	79	65	68	92	97	243	850
6. Germantown . . .	215	188	. .	. .	. . .	. . .	21	42	24	77	164
7. Third Ward . . .	861	636	. .	. .	68	88	64	100	96	199	615
8. Fourth Ward . .	866	668	. .	. .	40	81	94	101	119	173	608
9. Main street . . .	571	349	. .	. .	36	61	49	61	59	91	357
10. Fifth Ward . . .	1304	962	65	108	85	81	100	101	119	287	946
11. Sixth Ward . . .	992	703	. .	. .	108	94	91	107	114	172	686
12. Seventh Ward . .	837	597	. .	. .	77	82	116	110	90	124	599
13. Eighth Ward . .	715	481	143	187	. . .	. . .	. . .	. . .	54	125	509
14. Ninth Ward . . .	851	591	. .	. .	67	81	101	72	85	155	561
15. Tenth Ward . . .	1403	963	. .	. .	69	103	112	116	173	321	894
16. Duncan street . .	1151	803	. .	. .	44	59	75	94	114	361	747
17. Madison street . .	1355	922	110	122	77	96	100	109	130	216	960
18. California	297	206	. .	. .	. . .	. . .	21	46	31	97	195
19. Grayson street . .	636	502	. .	. .	43	47	47	60	73	196	466
20. Montgomery street	473	390	. .	. .	34	42	43	43	40	138	340
21. Shippingport . .	93	85	. .	. .	. . .	. . .	6	8	13	37	64
22. Portland	424	290	38	34	20	19	22	47	33	75	288
Total Ward . . .	15686	11218	447	566	916	1097	1280	1459	1612	3483	10860
23. Male High	247	210	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	223
24. Female High . .	344	295	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	302
25. Training	32	32	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	30
Total Ward, High, and Training . .	16309	11755	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	11415
26. Fulton Colored .	107	77	. .	. .	. . .	3	6	4	12	45	70
27. Eastern Colored .	792	500	. .	. .	15	14	49	59	68	243	448
28. Central Colored .	1057	512	14	43	20	25	38	56	68	239	504
29. Western Colored.	950	477	. .	. .	21	29	46	80	99	231	506
30. Portland Colored.	68	44	. .	. .	. . .	3	1	5	12	28	48
31. "A Grade" Col'd .	9	9	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	8
Total Colored . .	2983	1619	14	43	56	73	140	204	260	786	1584
Total Ward, High, Training & Col'd	19282	13374	. .	. .	. . .	. . .	. . .	. . .	. . .	. . .	12999

ENROLLMENT AND ATTENDANCE FOR 1877-78.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	NUMBER OF TEACHERS.						
			Principal.	Head Assistants.	Intermediate Assistants.	First-class Assistants.	Second-class Assistants.	Third-class Assistants.	Total.
1. First Ward	635	435	1.			2.0	3.0	2.8	8.8
2. Fulton	233	187	1.			1.0	1.0	1.0	4.0
3. New Jerusalem	69	58	1.						1.0
4. Overhill	503	371	1.			2.0	2 4	3.1	8.5
5. Second Ward	1102	831	1.	2.0	3.3	4.1	4.6	4.3	19.3
6. Germantown	215	188	1.			1.0		1.0	3.0
7. Third Ward	861	636	1.			4 0	5.0	3.3	13.3
8. Fourth Ward	866	668	1.			4.9	2.1	4.9	12.9
9. Main street	571	349	0.5	5.0			1.0		6.5
10. Fifth Ward	1304	962	1.	2.0	2.8	4.3	6.0	5.0	21.1
11. Sixth Ward	992	703	1.			4.9	4.1	4.8	14.8
12. Seventh Ward	887	597	1.			2.0	7.7	2.4	13.1
13. Eighth Ward	715	481	1.	3.9	4.6	1.0	1.0	1.0	12.5
14. Ninth Ward	851	591	1.			2.0	7.45	2.0	12.45
15. Tenth Ward	1403	963	1.			6.7	4.3	6 8	18.8
16. Duncan street	1151	803	1.			3.0	8.9	3.0	15.9
17. Madison street	1355	922	1.	3.0	3.0	4.0	6.0	4.0	21.0
18. California	297	206	1.				2.9		3.9
19. Grayson street	686	502	1.			2.0	5.0	2.0	10 0
20. Montgomery street	473	390	1.			2.0	2.0	2.0	7.0
21. Shippingport	93	85	1.					0.2	1.2
22. Portland	424	290	1.		1.0	1.0	2.0	1.0	6.0
Total Ward	15686	11218	21.5	15.9	14.7	51.9	76.45	54.6	235.05
23. Male High	247	210							8.0
24. Female High	344	295							12.0
25. Training	32	32							1.5
Total Ward, High, and Training	16309	11755							256.55
26. Fulton Colored	107	77	1.				0.5		1.5
27. Eastern Colored	792	500	1.			2.0	2.3	3.5	8 8
28. Central Colored	1057	512	1.	1.0	1.0	1.0	3.5	3.8	11.3
29. Western Colored	950	477	1.			2 0	3.9	3.5	10.4
30. Portland Colored	68	44	1.						1.0
31. "A Grade" Colored	9	9	1.						
Total Colored	2983	1619	5.	1.0	1.0	5.0	10.2	10.8	33.0
Total Ward, High, Training, and Colored	19292	13374							
Music Teachers									2 0
German Teachers									28.0
Total Teachers									319.55

TABLE J.

ENROLLMENT AND ATTENDANCE OF THE PUBLIC SCHOOLS OF LOUISVILLE FOR THE YEAR 1876-77.

SCHOOLS.	No. pupils enrolled during the year	No. remaining at this date	AVERAGE NUMBER BELONGING.								
			Grade I.	Grade II.	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	688	452	..	42	48	58	50	77	66	159	115
2. Fulton	261	208	..	..	..	25	22	22	30	112	63
3. New Jerusalem	91	64	..	..	..	2	9	9	13	30	10
4. Newburg road	380	291	..	..	..	29	36	46	83	125	390
5. Second Ward	980	762	69	53	68	74	81	92	103	253	739
6. Germantown	195	178	..	..	..	..	..	36	49	79	164
7. Third Ward	812	671	..	40	93	110	90	54	131	190	708
8. Fourth Ward	833	663	..	39	61	59	77	110	139	190	675
9. Main street	593	393	..	35	37	53	84	66	71	92	438
10. Fifth Ward	1110	844	58	76	94	89	89	98	95	252	851
11. Sixth Ward	1019	705	32	44	92	106	103	88	117	180	762
12. Seventh Ward	898	691	..	..	88	121	119	143	96	143	710
13. Eighth Ward	683	430	159	127	..	..	..	..	64	145	495
14. Ninth Ward	925	628	25	37	69	78	100	116	77	175	677
15. Tenth Ward	1213	809	49	57	57	83	97	108	118	283	852
16. Duncan street	1149	777	..	41	44	66	80	91	138	357	817
17. Madison street	1178	807	63	61	72	112	108	121	101	240	878
18. California	291	204	..	..	10	25	19	21	39	88	202
19. Twenty-second st.	600	431	..	..	30	44	49	56	58	186	423
20. Montgomery street	460	397	36	32	33	37	47	44	58	145	432
21. Shippingport	77	69	..	..	..	..	..	7	11	42	60
22. Portland	390	294	30	35	34	23	25	37	34	102	320
Total Ward	14826	10768	521	719	930	1194	1285	1442	1691	3568	11350
23. Male High	244	210	..	..	..	..	..	..	..	..	215
24. Female High	426	359	..	..	..	..	..	..	..	..	391
25. Training	46	45	..	..	..	..	..	..	..	..	45
Total Ward, High, and Training	15542	11382	..	..	..	..	..	..	..	..	12001
26. Fulton Colored	161	82	..	..	..	..	9	5	11	58	83
27. Eastern Colored	802	404	..	..	20	22	38	54	93	257	484
28. Central Colored	1034	486	15	40	35	29	50	66	102	242	579
29. Western Colored	858	472	..	..	26	37	40	61	90	282	536
30. Portland Colored	84	30	..	..	4	3	1	1	8	28	45
31. "A Grade" Col'd	5	5	..	..	..	..	..	..	..	..	4
Total Colored	2944	1479	15	40	85	91	138	187	304	867	1731
Total Ward, High, Training & Col.	18486	12861	..	..	..	..	..	..	..	..	13732

ENROLLMENT AND ATTENDANCE FOR 1876-77.—CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date.	AVERAGE DAILY ATTENDANCE.								
			Grade I.	Grade II	Grade III.	Grade IV.	Grade V.	Grade VI.	Grade VII.	Grade VIII.	Total.
1. First Ward	688	452		37	41	50	46	70	60	134	438
2. Fulton	261	208				22	18	19	26	92	177
3. New Jerusalem	91	64				2	8	8	12	26	56
4. Newburg road	380	291				28	34	44	76	113	295
5. Second Ward	980	762	63	50	63	69	75	85	96	233	734
6. Germantown	195	178						32	44	67	143
7. Third Ward	812	671		37	87	103	84	49	118	168	646
8. Fourth Ward	833	663		36	57	56	71	101	126	159	606
9. Main street	593	393		33	35	49	78	60	66	80	401
10. Fifth Ward	1110	844	54	72	86	80	82	88	87	217	766
11. Sixth Ward	1019	705	30	42	84	97	90	80	109	145	677
12. Seventh Ward	898	691			82	111	109	130	86	134	652
13. Eighth Ward	683	430	148	118					55	121	442
14. Ninth Ward	925	628	23	32	61	70	90	104	70	156	606
15. Tenth Ward	1213	809	46	53	51	76	89	96	102	243	756
16. Duncan street	1149	777		38	40	62	74	85	126	311	736
17. Madison street	1178	807	59	56	66	101	98	111	91	210	792
18. California	291	204			9	22	17	19	36	78	181
19. Twenty-second st.	600	431			28	39	44	50	52	153	371
20. Montgomery street	460	397	33	29	2	34	42	40	51	120	378
21. Shippingport	77	69						6	10	35	51
22. Portland	390	294	29	32	31	22	22	33	30	95	294
Total Ward	14826	10768	485	665	850	1093	1171	1310	1529	3095	10198
23. Male High	244	210									210
24. Female High	426	359									371
25. Training	46	45									43
Total Ward, High, and Training	15542	11382									10822
26. Fulton Colored	161	82					9	5	11	52	77
27. Eastern Colored	802	404			17	18	34	46	85	219	419
28. Central Colored	1034	486	13	36	29	25	42	55	83	199	482
29. Western Colored	858	472			23	35	33	55	79	228	453
30. Portland Colored	84	30			3	3	1	1	7	21	36
31. "A Grade" Col'd.	5	5									4
Total Colored	2944	1479	13	36	72	81	119	162	265	719	1471
Total Ward, High, Training & Col.	18486	12861									12293

ENROLLMENT AND ATTENDANCE FOR 1876–77.— CONTINUED.

SCHOOLS.	No. pupils enrolled during the year.	No. remaining at this date . . .	NUMBER OF TEACHERS.						
			Principal . .	Head Assistants . . .	Intermediate Assistants	First-class Assistants.	Second-class Assistants.	Third-class Assistants.	Total . . .
1. First Ward	688	452	1.	. . .	1.0	1.0	5.0	3.4	11.0
2. Fulton	261	208	1.	. . .	. . .	1.0	1.0	1.0	4 4
3. New Jerusalem	91	64	1.	. . .	. . .	. . .	. . .	1.0	2.0
4. Newburg road	380	291	1.	. . .	. . .	2.0	1.0	3.0	7.0
5. Second Ward	980	762	1.	2.0	2.0	5.0	4.2	4.8	19.0
6. Germantown	195	178	1.	. . .	. . .	. . .	1.0	1.0	3.0
7. Third Ward	812	671	1.	. . .	1.0	4.0	5.0	4.0	15.0
8. Fourth Ward	833	663	1	. . .	1.0	5.0	2.8	5.0	14.8
9. Main street	593	393	0.5	6.0	. . .	. .	. . .	. . .	6.5
10. Fifth Ward	1110	844	1.	2.0	2.0	4.1	5.8	3 8	18 7
11. Sixth Ward	1019	705	1.	1.0	1.0	4.0	4.4	4.1	15.5
12. Seventh Ward	898	691	1.	. . .	. .	6.0	2.1	6.9	16.0
13. Eighth Ward	683	430	1.	2.0	6.8	0.5	2.0	0 5	12.8
14. Ninth Ward	935	628	1.	1.0	1.0	3.0	5.5	8.0	14.5
15. Tenth Ward	1213	809	1.	2.0	2.0	4.0	5.0	4.9	18.9
16. Duncan street	1149	777	1.	. . .	1.0	5.7	4 0	6.0	17.7
17. Madison street	1178	807	1.	2.0	2.0	4.4	5.6	4.4	19.4
18. California	291	204	1.	. .	. . .	0.6	1.8	0.7	4.1
19. Twenty-second street	600	431	1.	. . .	. . .	2.0	3.9	2.0	8.9
20. Montgomery street	460	397	1.	1.0	1.0	1.0	4.8	1.0	9.8
21. Shippingport	77	69	1.	. . .	. . .	. . .	. . .	. . .	1.0
22. Portland	390	294	1.	1.0	1.0	1.0	3.0	1.0	8.0
Total Ward	14826	10768	21.5	20.0	22.8	54.3	67 9	61.5	248.0
23. Male High	244	210	. . .	. . .	. . .	. . .	. . .	. . .	8.0
24. Female High	426	359	. . .	. . .	. . .	. . .	. . .	. . .	12.0
25. Training	46	45	. . .	. . .	. . .	. . .	. . .	. .	1.5
Total Ward, High, & Training	15542	11382	. . .	. . .	. . .	. .	. . .	. .	269.5
26. Fulton Colored	261	82	1.	. . .	. . .	. . .	. . .	1.0	2.0
27. Eastern Colored	802	404	1.	. . .	. . .	3.0	3.0	2.4	9.4
28. Central Colored	1034	486	1.	0.9	1.0	3.0	3.0	3.0	11.9
29. Western Colored	858	472	. . .	. . .	. . .	2.1	3.1	4.9	11 1
30. Portland Colored	84	30	1.	. . .	. . .	. . .	. . .	. . .	1.9
31. "A Grade" Colored	5	5	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Total Colored	2944	1479	5.	0.9	1.0	8.1	9.1	11.3	35.
Total Ward, High, Training, and Colored	18486	12861	. . .	. . .	. . .	. . .	. . .	. . .	304 9
Music Teachers	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	4.0
German Teachers	. . .	. . .	. . .	. . .	. . .	. .	. . .	. . .	17.0
Total Teachers	. . .	. . .	. . .	. . .	. .	. . .	. . .	. .	335.9

TABLE K.

Showing the cost of the Schools and the Rate per Pupil, taking as the basis the average number belonging during the year 1885-86.

SCHOOLS.	Average number of Pupils belonging during the year	Salaries of Teachers, excluding the German.	Average cost per Pupil.
Male High	241	$11,545 00	$47 90
Female High	383	11,591 70	30 27
Total High	624	23,136 70	37 08
Normal Class	36	1,164 70	32 34
Ward Schools	13,347	159.937 28	11 98
Total H., N. C., and W	14,007	184,238 68	13 15
Colored High	60	1,800 00	30 00
Colored Ward	2,859	27,377 05	9 57
Total Colored	2,919	29,177 05	9 99
Total H., N. C., W., and C	16,926	213,415 73	12 61
Janitors' Salaries	....	15,203 30	90
Incidental Expenses	....	15,964 35	94
General Expenses	....	6,203 50	37
Repairs and Improvements	....	15,905 68	94
Total Expenses	....	53,276 83	3 15
Total Salaries and Expenses	....	266,692 56	15 76
German Salaries	....	20,866 05	....
Rents	....	2,785 55	....
Building Account	....	11,332 90	....
Real Estate	....	6,000 00	....
Night Schools	....	5,894 50	....
Total Cost	.....	$313,571 56	$18 53

TABLE L.

Showing the Enrollment, Attendance, and Cost of Public Schools for the last Twenty-four Years.

YEARS.	Number Enrolled	Number Remaining	Average Number Belonging	AVERAGE DAILY ATTENDANCE.								Average Number Teachers.	Total Cost of Schools.	Cost per Pupil.
				Male High.	Female High.	Training School.	1st, 2d and 3d Grades	4th, 5th, and 6th Grades.	7th & 8th Grades.	Colored Schools.	Total			
62–63	7,720	. . . .	4,610	82	107	. . . .	. . . .	. . . .	. . . .	. . . .	3,851	. . . .	$65,476 86	$14 20
63–64	8,487	5,214	5,099	98	112	. . . .	622	1,049	2,472	. . . .	4,353	129.0	80,710 22	15 82
64–65	9,388	5,890	6,073	98	126	. . . .	625	1,131	3,229	. . . .	5,209	141.0	103,425 05	17 02
65–66	9,719	6,310	6,478	95	115	. . . .	545	1,174	3,700	. . . .	5,629	141.0	109,539 98	16 90
66–67	12,271	7,711	7,918	89	108	. . . .	618	1,387	4,869	. . . .	6,071	177.0	142,149 81	17 95
67–68	14,054	8,639	9,016	87	123	. . . .	611	1,653	5,574	. . . .	8,048	193.0	148,329 26	16 45
68–69	13,596	8,883	9,530	147	155	. . . .	729	2,013	5,306	. . . .	8,550	220.0	177,379 45	18 61
69–70	13,593	9,089	9,705	134	176	. . . .	786	2,468	5,156	. . . .	8,720	237.6	188,883 81	19 46
70–71	14,574	9,397	10,174	141	208	. . . .	1,806	4,534	2,491	. . . .	9,180	264.9	213,445 41	20 98
71–72	14,229	9,457	10,270	159	262	. . . .	2,113	4,234	2,359	. . . .	9,227	287.0	242,201 06	23 58
72–73	15,334	10,355	10,729	183	304	31	2,049	3,787	2,535	457	9,346	288.6	247,354 89	23 05
73–74	17,557	11,346	12,325	178	351	36	2,123	3,929	3,234	1,093	10,944	300.4	253,168 48	20 54
74–75	17,593	11,755	12,807	189	384	37	2,089	3,728	3,830	1,294	11,551	315.5	255,529 02	19 95
75–76	17,538	12,250	13,301	204	380	51	1,985	3,605	4,239	1,487	11,951	328 3	272,278 98	20 47
76–77	18,486	12,861	13,732	210	371	43	2,000	3,574	4,624	1,471	12,293	335.9	275,137 43	20 03
77–78	19,292	13,374	14,234	223	302	30	1,929	3,836	5,095	1,584	12,999	319.5	277,046 43	19 46
78–79	19,484	13,960	14,782	229	331	. . . .	1,931	3,952	5,219	1,743	13,405	327.6	218,769 39	14 79
79–80	19,990	13,761	15,051	209	320	. . . .	2,046	4,404	4,711	1,808	13,498	320.8	197,699 19	13 13
80–81	19,189	13,734	14,802	176	342	. . . .	1,961	4,464	4,569	1,758	13,270	326.5	218,693 56	14 77
81–82	20,186	14,108	15,390	179	360	24	1,919	4,449	4,890	1,909	14,760	358.2	245,852 24	15 97
82–83	20,131	14,240	15,389	181	295	33	2,100	4,309	4,981	2,003	13,902	370.9	267,114 33	17 35
83–84	20,507	14,836	15,717	163	306	31	2,238	4,395	4,846	2,106	14,085	376.1	285,447 49	18 16
84–85	20,061	15,215	16,295	198	356	32	2,291	4,737	4,746	2,304	14,664	383.2	684,015 34	17 42
85–86	20,964	15,795	16,926	230	362	34	2,410	4,832	4,869	2,534	15,271	404.1	313,571 56	18 53

The following is a general summary of the statistics and a comparison of the same items with those of the preceding year:

NUMBER OF PUPILS ENROLLED DURING THE YEAR.

	1884-85.	1885-86.	Increase or Decrease.	No.
Male High School	234	271	Increase	37
Female High School	407	424	Increase	17
Normal Class	37	40	Increase	3
Ward Schools	16,447	16,335	Decrease	112
Colored High School	47	64	Increase	17
Colored Ward Schools	3,889	3,830	Decrease	59
Total	21,061	20,964	Decrease	97

AVERAGE NUMBER BELONGING DURING THE YEAR.

	1884-85.	1885-86.	Increase or Decrease.	No.
Male High School	210	241	Increase	31
Female High School	380	383	Increase	3
Normal Class	35	36	Increase	1
Ward Schools	12,975	13,347	Increase	372
Colored High School	42	60	Increase	18
Colored Ward Schools	2,653	2,859	Increase	206
Total	16,295	16,926	Increase	631

AVERAGE DAILY ATTENDANCE DURING THE YEAR.

	1884-85.	1885-86.	Increase or Decrease.	No.
Male High School	198	230	Increase	32
Female High School	356	362	Increase	6
Normal Class	32	34	Increase	2
Ward Schools	11,774	12,111	Increase	337
Colored High School	39	56	Increase	17
Colored Ward Schools	2,265	2,478	Increase	213
Total	14,664	15,271	Increase	607

AVERAGE NUMBER OF TEACHERS EMPLOYED.

	1884-85.	1885-86.	Av. Increase or Decrease.
Male High School	8.0	8.0	
Female High School	11.0	12.0	Increase 1.0
Normal Class	1.5	1.5	
Ward Schools	280.0	291.4	Increase 11.4
Colored High School	1.0	2.0	Increase 1.0
Colored Ward Schools	45.7	52.2	Increase 6.5
German	36.0	37.0	Increase 1.0
Total	383.2	404.1	Increase 20.9

COST OF THE SCHOOLS.

	1884-85.	1885-86.	Increase or Decrease.
Male High School, salaries	$11,223 30	$11,545 00	Increase $321 70
Female High School, salaries	10,779 20	11,591 70	Increase 812 50
Total High Schools, salaries	$22,002 50	$23,136 70	Increase $1,134 20
Normal Class, salaries	1,162 65	1,164 70	Increase 2 05
Ward Schools, salaries	152,437 55	159,937 28	Increase 7,499 73
Total H.,N.C.& W.,salaries	$175,602 70	$184,238 68	Increase $8,635 98
Colored High School, salaries	1,000 00	1,800 00	Increase 800 00
Colored Ward Schools, salaries	24,105 30	27,377 05	Increase 3,272 75
Total Col'd Schools, salaries	$25,105 30	$29,177 05	Increase $4,071 75
Total H.,N.C.W&C.,salaries	$200,708 00	$213,415 73	Increase $12.707 73
Janitors' salaries	$14,945 90	$15,203 30	Increase $257 40
Incidental expenses	16,624 98	15,964 35	Decrease. 660 63
General expenses	5,320 00	6,203 50	Increase 883 50
Repairs and Improvements	13,760 78	15,905 68	Increase 2,144 90
Total expenses	$50,651 66	$53,276 83	Increase $2,625 17
Total salaries and expenses	$251.359 66	$266,692 56	Increase $15.332 90
German, salaries	$20,181 70	$20,867 05	Increase $684 35
Rent	2,631 70	2,785 55	Increase 153 85
Building Account	4,476 78	11,332 90	Increase 6,856 12
Real Estate	780 00	6,000 00	Increase 5,220 00
Night Schools	4,585 50	5,894 50	Increase 1,309 00
Total	$284,015 34	$313,571 56	Increase $29,556 22

COST PER PUPIL.

	1884–85.	1885–86.	Increase or Decrease.
Male High School, salaries	$53 54	$47 90	Decrease . . . $5 64
Female High School, salaries.	28 36	30 27	Increase . . . 2 91
Total High Schools, salaries	$37 29	$37 08	Decrease . . . $0 21
Normal Class, salaries	33 21	32 34	Decrease . . . 87
Ward Schools, salaries	11 64	11 98	Increase . . 24
Total H.N.C.& W., salaries	$12 91	$13 15	Increase . . $0 24
Colored High School, salaries	23 80	30 00	Increase . . 6 20
Colored Ward Schools, salaries	9 08	9 57	Increase . . . 49
Total Col. Schools, salaries	$9 31	$9 99	Increase . . . $0 68
Total H. N. C. W. & C., sal.	$12 32	$12 61	Increase . . . $0 29
Janitors' salaries	92	90	Decrease . . . 02
Incidental expenses	1 02	94	Decrease . . . 08
General expenses	32	37	Increase . . . 05
Repairs and improvements	84	94	Increase . . . 10
Total expenses	$3 10	$3 15	Increase . . . $0 05
Total salaries & expenses	$15 42	$15 76	Increase . . . $0 34
Salaries, German Teachers			
Rent, Building Account, Real Estate, and Night Schools	2 00	2 77	Increase . . . 77
Total	$17 42	$18 53	Increase . . $1 11

I regret that other important duties have prevented my visiting the schools during the past year as frequently as I desired. The number of teachers is so large and the time allotted for inspecting the schools so limited, that my visits were necessarily restricted in number and brief in duration. The principals of twenty of the ward schools do not teach particular classes, but devote their time to the general supervision of their respective schools, and, by their daily visits to the various rooms, they soon become thoroughly acquainted with the methods of teaching and the discipline of their teachers, the efficiency of their instruction, and the progress of their pupils. From the reports of these principals and conversations with the other teachers, and from my own observations and the results of the annual examination, I believe I am justified in reporting that the schools generally are in a prosperous and satisfactory condition. The teachers, with few exceptions, are earnest and untiring in their efforts to advance their pupils and to develop habits of truthfulness, neatness, punctuality, and courteous behavior. They earnestly desire to succeed and are always

intent upon acquiring information concerning the best manner of advancing the interests of their pupils. In a system so large as ours it is almost impossible not to find some unskillful and inefficient teachers. They may possess the required scholarship, but have no tact to manage nor aptitude to impart information and to develop it in the minds of others. Others have no elements of progress and make no efforts to improve their professional reputation, and frown upon every attempt to introduce any improvement intended to elevate the character of the schools. The Normal Class now enables the Trustees to procure teachers, especially for the primary grades, who are familiar with the most approved methods of imparting instruction, and who have been trained, to a limited extent, in the actual work of teaching a class. The Trustees no longer have any excuse for permitting incompetent and unworthy teachers to remain in the schools to inflict injuries upon innocent children which may never be repaired. The principals and their assistants, during the past year, have endeavored to perform their duties so as to merit approval, and have earnestly studied to introduce more natural and practical methods of instruction, and, thereby, improve the character of their work. With the great majority of the teachers the discipline is almost all that could be desired. Corporal punishment is rarely inflicted, except in extreme cases. Greater regularity in attendance and increased punctuality are evident, while a most gratifying improvement is noticeable in the generally neat and attractive appearance of the pupils. The school buildings and premises, in most cases, are kept in a creditable condition as regards cleanliness and tidiness. A number of teachers are striving to make their rooms pleasant and cheerful by adorning the walls with appropriate pictures and engravings. A few have established small libraries of well selected books, contributed by themselves and their pupils and their friends. These are valuable beginnings of permanent school libraries, and it seems a practicable way of placing more and better reading within easy reach of many children who, otherwise, would have no such opportunity given them. Not only will it enable them to acquire much useful information, but it will create in them a taste for good literature and protect them, in a large measure, from the influence of the pernicious books and papers which are flooding the country. An annual appropriation of a few hundred dollars, by the Board, for the purchase of entertaining and instructive books intended for childhood, would be a great benefit, in many ways, to thousands of children attending the schools.

The Committee on the Course of Study, assisted by the principals of the schools, carefully revised the Course of Instruction last year.

They endeavored to simplify it and to make it harmonize with the spirit of the times. The new Course has met with general approval, and it will be of great benefit to the schools. The Course of Instruction is an important factor in a system of education. It should be simple and practical, comprehensive and complete, and so arranged that it will not only acquaint the scholars with the fundamental branches, but also develop harmoniously all those faculties which will best prepare them to perform intelligently and efficiently the responsible duties of active life. Everything which has no educational utility should be excluded. It should be regulated so as to make the classroom a place for teaching, instead of one for merely hearing recitations, that few lessons should be learned outside of the school-room, and overwork on the part of the pupils thereby prevented. The teacher should have the necessary time to explain and illustrate fully each lesson before it is assigned for home study. The selection of textbooks is, likewise, an important matter, and should receive careful consideration, for good ones greatly aid the best teachers, while the inexperienced depend almost wholly on the books placed in their hands.

Music is a part of the Course, but since the Board determined not to employ special instructors in this subject, a uniform degree of progress in this specialty has not been made in all the schools. In some, the instruction has been productive of gratifying results; in others, comparatively little has been accomplished. Children ought to be able to read simple music at sight, and they can do this without sacrificing any other study, through the instruction given by the regular teachers. Ten minutes a day, the time allotted by the present Course, is ample to insure success.

The present Course in Drawing has been in operation for several years. It is arranged progressively, beginning with straight lines in the Eighth Grade and advancing by a gradual development from class to class, through the First Grade, ending with varied exercises in historical ornament and in designing for industrial purposes. The work of the pupils presented annually for inspection shows continual improvement, and in a number of classes special praise is due for the excellent results obtained, the original designs notably showing great variety and neat execution. "Drawing forms habits of industry, promptness, neatness, and accuracy. It develops method in arrangement and exactness in expression, both oral and written. It cultivates powers of observation, reflection, imagination, and invention. It has its practical uses in every occupation of life, and, as a branch of education, is of the highest importance to the welfare of the community."

It should be taught by the regular teachers, and they should thoroughly understand the scientific principles upon which the study is based, and should have the proper conception of the methods employed in adapting the instruction to reach the practical ends in view Superficial skill of hand is not sufficient to teach the kind of drawing now demanded.

There is an urgent demand in many portions of the city for more school buildings. Not only does this demand exist in those parts which have recently increased rapidly in population, but many of the old buildings are overflowing with children. In some instances the Board has been able to rent rooms, and thus afford temporary relief. In other localities no accommodations of any kind can be secured. These rented rooms are seldom adapted to school purposes, being small, badly lighted and ventilated, and usually without the required conveniences or sufficient yard-room for playgrounds. Many parents, after visiting these schools, decline to enter their children, and send them to private institutions or permit them to remain at home for a time rather than risk their lives in these unhealthy premises. If suitable and attractive buildings, with ample grounds and every appointment necessary to the health and comfort of the children and teachers, were erected where they are needed, the attendance of the schools could be increased at least twenty per cent. A number of the old buildings should be remodeled and otherwise improved, and supplied with new furniture and appliances for teaching. Some other system for heating the buildings should be adopted in the place of the stoves now used for the purpose. Furnaces and steam-heating apparatus have been successfully used in some cities. During the coldest weather buildings are heated in a satisfactory manner, while the means for the supply of fresh air and the exit of foul air are ample, and the ventilation necessarily excellent The cost of the furnaces for a fifteen-room house need not exceed $2,500, and of the steam apparatus $3,000. The great saving of fuel, the labor in carrying coal up to the different rooms and the ashes down, and in the kindling of many fires, would pay for the change in a few years. Besides, the annoyance of coal-hods and pokers, smoke and dirt would be unknown. The new building on Kentucky street, now under construction, will be ready for occupancy September, 1887. It will contain fifteen rooms and be heated by steam. The cost of the lot, building, furniture, and heating apparatus will amount to nearly $30,000. The addition of two rooms, costing $2,000, to the Germantown School will be completed in December. The cost of purchasing lots, erecting and furnishing other new houses, and for remodeling and improving the old buildings will amount to $125,000.

I suggest that the Board shall obtain authority from the Legislature at its next session to issue bonds for this purpose. The sum that will be required to pay for rented rooms and buildings will nearly pay the interest on the bonds, and the Board can set apart annually a small portion of its income to pay the principal as it becomes due. This matter can be arranged so that it will not impose any additional taxation on the city, and it will not be necessary, therefore, to submit it to a vote of the people before it can become operative.

The Colored Schools, under the wise administration of the Committee on Colored Schools, continue to make gratifying progress. The teachers generally manage their classes with skill. They possess good teaching ability, and are ambitious to succeed. The pupils are studious and attentive, easily controlled, and eager to learn. The attendance compared with last year shows a marked increase. The number of pupils in the High School and in the Intermediate Department is gradually increasing. The Board has not been able heretofore to procure a sufficient number of competent teachers for these schools. This trouble, however, will be removed in the future by the establishment of a Normal Class for the graduates of the High School, which in a few years will furnish not only all the qualified teachers needed here, but will supply, also, in some measure, the demand for them in other places. The Colored Schools are very much in need of more school buildings The Eastern and the Western Schools are greatly overcrowded, while the Central School, in order to find room for the High School and the Intermediate Department, has been compelled to send the pupils of the third and the fourth grades to the Eastern and the Western Schools. This arrangement, while unavoidable, is a great hardship to many children of poor parents. especially during inclement weather, who have to walk a long distance to attend the nearest school. Diligent but unsuccessful efforts have been made by the members of the committee and others interested in the schools to rent buildings in which to establish new schools. Suitable buildings are scarce, and when found the owners are averse to their being used for the purpose though extravagant rents have been offered them. Two twelve-room houses judiciously located, one in the eastern and one in the western parts of the city, would afford relief for a time. The Portland School needs to be enlarged, and a new and large building should be erected in a more convenient locality, to take the place of the Fulton-street School, which floated away during the flood three years ago. It will be advisable in a short time to have two Intermediate Departments, more conveniently located for the pupils of these grades, in the place of the one now in the Central School.

The following table shows the enrollment, attendance, and the cost of the Night Schools for the past year:

SCHOOLS.	Number enrolled	Number remaining at the end of the session	Average number belonging at the end of the session	Average daily attendance	Average number of teachers employed	Cost of the schools	Cost per pupil on the number belonging
Third Ward	279	196	166	127	5.6	$936 00	$5 63
Main street	320	149	211	169	7.4	1,132 00	5 36
Eighth Ward	104	20	52	47	3.2	536 00	10 30
Madison street	375	173	283	244	8.2	1,279 50	4 52
Eastern Colored	524	64	239	194	6.0	1,062 00	4 44
Western Colored	530	81	277	222	6.6	949 00	3 32
Total	2,132	683	1,228	1,003	37.0	$5,894 50	$4 80

The average daily attendance for the several months was as follows:

MONTHS.	Third Ward	Main Street	Eighth Ward	Madison Street	Eastern Colored	Western Colored	Total
October	189	236	66	296	287	330	1,404
November	158	196	63	291	292	327	1,327
December	137	175	63	292	294	307	1,268
January	75	126	26	190	50	74	541
February	77	115	19	150	47	71	479
Average	127	169	47	244	194	222	1,003

These schools were open from September 28th to December 4th, and from January 11th to February 26th, a period of seventeen weeks. On February 2d the pupils of the Eighth Ward were transferred to the Main-street School. The rule requiring pupils over twenty years of age to pay tuition was enforced January 11th, which accounts in some measure, particularly in the colored schools, for the greatly-diminished attendance in January and February. The organization of these schools has not been materially changed, experience having shown that they are well adapted to the wants of those persons for whom they were established. They are growing in popularity, and are of great benefit to those who attend them continuously. The attendance during the first session was more regular than in former

years. Some came a few evenings at the opening out of mere curiosity, and others, after a few weeks' trial, found themselves too tired, after a day of hard labor, to attend school. Those who remained were the pupils who were earnestly seeking instruction, and who were willing to make the necessary sacrifice of time and personal ease to obtain an education. A large proportion of them were adults, and many were Germans, well educated in their own language, but who desired to acquire a knowledge of English. They attended regularly, were studious, and made rapid progress. The partial failure of the school for girls in the Eighth Ward was due principally to its inconvenient location. There were many deserving girls and young ladies, compelled to labor during the day, that gratefully appreciated and gladly accepted the opportunity to make up for the neglect or deprivation of earlier years, and entered the school. Nearly all of them lived in the extreme eastern or western parts of the city, and the distance to the school was so far that more than half of them quit at the end of the first session. Schools for females are successfully conducted in other cities, and there is no reason why they should not succeed here. If females were admitted to the schools for boys, and dismissed a few minutes earlier than the regular time for closing the school, a greater number would attend and remain until the close of the session.

GEO. H. TINGLEY, JR.

REPORT

OF THE

CHIEF OF POLICE

FOR THE

YEAR ENDING AUGUST 31, 1886.

Report of Chief of Police.

OFFICE OF THE CHIEF OF POLICE,
Louisville, Ky., December 2, 1886.

To the Honorable Mayor and the General Council of the City of Louisville:

Gentlemen: I herewith present for your consideration a report of the work done by the Police Department of said city, and of matters incidental thereto, from September 1, 1885, to September 1, 1886.

Police Force.—This, the second, year of my administration remains very much the same as last year.

The present Police Department will compare favorably in intelligence, moral qualifications, and physical ability with that of any other city in the Union.

I have managed to rid the department of all the drones, drunkards, and such as those entirely unfit for police duty. The majority of those who are in the service are young, active, and as intelligent a set of men as can be found in any city. Whenever I hear of one shirking his duty, he is not very long living at the city's expense.

I wish to say that I show no partiality among the men. I have no pets. If any rule is violated, no matter who it may be, he must suffer for the violation. My rules and orders are made, and fully explained to each and every man. So there can be no possible mistake.

Sometimes I am censured for being too severe, but I believe there is not a member of the force that can say I am not just.

Detective Department.—There has been no change in this Department. I am ably assisted by that veteran, Captain D. T. Bligh. He is too well known to you all to say anything further.

System of Watching.—The twelve-hour system still remains as I adopted it when first appointed Chief.

Station Houses and Patrol Wagons.—Since making my last report, I have made considerable alteration in both station houses and patrol wagons. In place of the old Clay-street station, there has been built an entirely new brick building, which is thoroughly adapted to its use—a first-class stable, office, cell-rooms, and sleeping apartments for the men.

At Central Station, instead of the men being compelled to sleep in a small, unhealthy room, new sleeping apartments and feed-rooms have been built, in addition to the stable, between the City Hall and

Jail, giving the men who run the patrol wagon better, cleaner, and more wholesome apartments, besides being closer to their teams when needed. The old affair at Seventeenth street has also been remodeled and thoroughly adapted to police service. All have been built and equipped with good furniture, etc. They are as good as any in the country.

I have had built two new patrol wagons, and one old one changed to a two-horse wagon; they are thoroughly equipped with all the late improvements, such as ropes, to be used at fires, hand cuffs, and stretchers, that are used in case of an accident, therefore not only making it a complete police wagon, but an ambulance that has so long been needed in Louisville. I have on hand ten good horses, three having died in the last year.

The Social Evil.—This has been kept under good control, and never was better. During my two years in office, I have taken out of houses of ill-fame two hundred and seventeen young girls ranging from thirteen to sixteen years of age, who were either returned to their families, or sent to the Home of the Friendless or some other charitable institutions. It affords me great pleasure to acknowledge the valuable assistance rendered by the managers of the Home of the Friendless, and the St. Xavier Academy.

A Loss to the Force.—There is nothing a Chief regrets to do more than to state the loss of one of his men. The one I refer to was Second Lieutenant Hardin, who was so foully murdered while in the discharge of his duty. It was on Sunday night, December 6, 1885, while answering an appeal for help, that this brave officer was most viciously assassinated by a negro brute. The blood-thirsty fiend lived only a few minutes to gloat over his cowardly act, as Officer G. L. Ferguson would have met the same fate of his lieutenant, had he not anticipated his danger and shot the scoundrel dead. Officer Ferguson was honorably acquitted. In the death of Lieutenant Hardin, the force lost one of the best, bravest, and kindest-hearted of mankind.

City Ordinances.—It is through the hearty co-operation and assistance of Hon. R. H. Thompson, Judge of the City Court, that all ordinances of the city have been strictly enforced, and to him my thanks are tendered.

Financial.—The expenses of the Police Department from September 1, 1885, to September 1, 1886, amounted to $117,610.87. This includes the building and remodeling of three station houses at a cost of $2,220.00, making two new patrol wagons and remodeling one at a cost of $620.00. I have turned over to the City Treasurer $50.00, the amount received for an old two-wheel cart.

As my detailed statement herewith filed will show, I have, notwithstanding the improvements, conducted the department $9,389.13 less than the appropriation, which was $127,000.

Conclusion.—In closing this report, I should not forget to acknowledge the counsel and assistance rendered me at all times by his Honor, the Mayor; the confidence and co-operation of the Board of Police Commissioners and city officials generally, as well as of the rank and file of this department, who have so ably sustained me, and tender to one and all who have in any way aided me my hearty thanks therefor. In the hope that the department as a whole may ever be able to present as fair a record as during the time embraced in this report, I have the honor to remain,

Very respectfully,

JOHN H. WHALLEN,
Chief of Police.

JAS. B. CAMP,
Secretary.

STATEMENT No. 1.

DISTRIBUTION AND PRESENT STRENGTH OF THE POLICE FORCE, SEPTEMBER 1, 1886.

DISTRICTS.	Chief	Detective	First Lieutenants	Second Lieutenants	Secretary	Station-keeper	Patrolmen	Sergeants	Detail Patrolman	Patrol-wagon Driver	Patrol-wagon Help	Total	Supernumeraries, paid while on duty
Police Headquarters	1	1	4		1							7	14
First District—First Platoon				1		2	9	1		1	1	15	
First District—Second Platoon				1			17	1				19	
Second District—First Platoon				1			18	1				20	
Second District—Second Platoon				1			22	1				24	
Third District—First Platoon				1		2	13	1		1	1	19	
Third District—Second Platoon				1			18	1				20	
Fourth District—First Platoon				1		2	9	1		1	1	15	
Fourth District—Second Platoon				1			15	1				17	
Totals	1	1	4	8	1	6	121	8		3	3	156	14
Present Strength	1	1	4	8	1	6	121	8		3	3	156	
Vacancies													
Allowed by Ordinance	1	1	4	8	1	6	121	8				150	14

STATEMENT No. II.

SHOWING EXPENSE OF POLICE FORCE FOR TWELVE MONTHS, FROM SEPTEMBER 1, 1885, TO AUGUST 31, 1886.

MONTHS.	Salaries.	Incidental.	Total.
September, 1885	$9,211 94	$270 98	$9,482 92
October, 1885	9,453 47	310 33	9,763 80
November, 1885	9,300 80	213 26	9,514 06
December, 1885	9,576 76	361 10	9,937 86
January, 1886	9,093 91	395 74	9,489 65
February, 1886	8,067 90	313 94	8,381 84
March, 1886	9,530 19	522 80	10,052 99
April, 1886	9,207 93	464 04	9,671 97
May, 1886	9,454 42	254 24	9,708 66
June, 1886	9,006 39	238 43	9,244 82
July, 1886	9,040 44	380 27	9,420 71
August, 1886	8,973 07	515 34	9,488 41
Special			17 25
Total for twelve months	$109,917 22	$4,240 47	$114,174 94

SPECIAL EXPENDITURES.

Telephones for twelve months	$335 68	
Kilgore & Stiltz, new patrol wagons	620 00	
Dugan & Co., coal for stations	108 00	
Dugan & Co., coal for stations	47 25	
J. N. Struck & Bro., building new stations	970 00	
J. N. Struck & Bro., building new stations	1,000 00	
Hobbs & Nettleroth, surveying	10 00	
Fischer, Leaf & Co., mantels for stations	28 00	
M. J. Duffy, plumbing for stations	60 50	
Sharpe & Middleton, dry goods	6 50	
J. M. Hennessy & Co., building new room	250 00	
Total		$3,435 93
Total for twelve months		114,174 94
Grand total		$117,610 87

SUMMARY.

Appropriations	$127,000 00
Expenditures for twelve months	117,610 87
Balance on hand	$9,389 13

STATEMENT No. III.

DETAILED STATEMENT OF INCIDENTAL EXPENSES FOR TWELVE MONTHS, ENDING AUGUST 31, 1886.

FOR	September, 1885	October, 1885	November, 1885	December, 1885	January, 1886	February, 1886	March, 1886	April, 1886	May, 1886	June, 1886	July, 1886	August, 1886	Total
Rent for Stations	*$75 00	$25 00	....	....	*$75 00	$7 50	....	....	....	$125 00‡	....	....	$307 50
Gas for Stations	5 99	9 12	$8 64	$9 69	11 21	14 82	$15 39	12 54	$8 17	8 93	$11 69	$16 53	132 72
Drugs, oils, etc., for Stations	5 15	....	20 05	2 75	7 15	5 55	1 20	2 50	7 65	4 15	6 50	3 40	66 05
Horse shoeing	18 75	22 50	20 50	15 70	28 50	16 50	18 00	18 00	21 00	....	†34 20	24 40	238 05
Keeping extra horses	53 00	51 00	51 00	51 00	51 00	54 00	58 70	85 00	68 00	....	†147 80	68 00	738 50
Horse feed	56 93	35 54	47 50	76 76	35 82	50 56	49 28	48 37	25 81	....	†121 64	52 02	600 23
Harness and repairing	4 20	3 65	4 55	1 00	....	4 85	4 30	7 70	9 75	1 80	80	5 95	48 55
Printing and stationery	6 10	72 00	8 70	50 20	15 00	1 35	10 00	92 35	58 45	30 90	25 80	8 35	379 20
Miscellaneous	11 25	10 50	9 05	37 20	46 51	108 36	20 95	8 85	48 50	30 98	22 00	92 15	455 30
Telegraphing	7 30	10 97	5 77	19 45	13 75	1 85	9 25	4 05	6 91	....	†9 84	3 59	92 73
Wagon repairs	....	26 10	23 65	8 30	12 05	....	....	149 40	....	....	....	36 25	255 75
Buttons and clubs	....	26 67	5 00	5 00	42 50	....	24 38	31 88	....	....	....	35 00	170 43
Ice for Stations	20 71	9 03	....	....	....	....	....	....	....	....	....	....	29 74
Lumber	....	8 25	....	....	....	....	....	....	....	....	....	....	8 25
Hardware	6 60	....	8 85	....	11 00	48 60	27 35	2 70	....	75	....	†29 25	135 10
Stoves and repairs for Stations	....	....	....	47 30	41 40	....	....	....	....	....	....	....	88 70
Gloves and crape	....	....	....	36 75	....	....	....	....	....	16 72	....	....	53 47
Plumbing	....	....	....	....	4 85	....	....	70	....	19 20	....	20 20	44 95
Horses	....	....	....	....	....	....	275 00	....	....	....	....	....	275 00
Furniture for Stations	....	....	....	....	....	....	....	....	....	....	....	120 25	120 25
Total	$270 98	$310 33	$213 26	$361 10	$395 74	$313 94	$522 80	$464 04	$254 24	$238 43	$380 27	$515 34	$4240 47

†For two months. *For three months. ‡For five months.

STATEMENT No. IV.

RECORD OF ARRESTS MADE BY THE POLICE FORCE DURING THE YEAR ENDING AUGUST 31, 1886.

CHARGES.	September	October	November	December	January	February	March	April	May	June	July	August	Total.
Abuse of Family	1	2	...	2	2	2	2	1	.	2	6	...	20
Assault and Battery	2	6	2	9	8	2	5	5	9	6	6	7	67
Attachments from Courts	3	2	2	4	1	2	3	3	2	1	1	4	28
Adultery	...	..	1	...	...	...	...	3	...	4	...	...	8
Attempt at Rape	1	1	...	1	...	...	...	2	2	3	1	2	13
Abduction	...	...	...	...	...	...	...	1	...	...	...	...	1
Attempt at Robbery	...	...	...	...	...	...	...	...	...	...	2	1	3
Attempt at Abortion	...	...	...	...	...	...	...	1	...	...	...	...	1
Arson	...	...	3	...	...	...	...	1	...	...	...	...	4
Accessory to Murder	1	...	1	2	2	2	...	...	...	...	...	...	8
Bench Warrant	6	8	4	6	5	1	3	...	17	17	4	4	75
Burglary	1	2	3	1	...	2	1	...	...	...	...	...	10
Breach of Peace	...	...	...	...	3	2	2	2	1	3	1	1	15
Bigamy	1	...	...	...	...	...	...	...	...	...	...	...	1
Breaking into Railroad Car	...	...	...	...	...	...	...	2	...	...	...	...	2
Bathing in City Limits	...	...	...	...	...	...	...	...	...	...	7	...	7
Carrying Concealed Deadly Weapons	6	12	13	19	5	4	13	4	7	10	8	12	103
Capias	4	3	1	2	4	2	...	1	4	2	2	1	26
Compounding a Felony	...	1	...	...	...	...	...	...	...	...	...	...	1
Counterfeiting	...	...	...	...	...	...	...	...	...	...	1	...	1
Cruelty to Animals	1	1	...	3	...	...	...	3	...	3	...	...	11
Drunk and Disorderly Conduct	537	467	394	379	235	257	359	372	487	438	488	570	4,968
Carried forward	564	505	424	428	265	276	388	401	529	489	527	602	5,373

STATEMENT No. IV.—Continued.

CHARGES.	September	October	November	December	January	February	March	April	May	June	July	August	Total.
Brought forward	564	505	424	428	265	276	388	401	529	489	527	602	5,373
Destroying Private Property	1	1							1	1			4
Disorderly Houses					10			10	28				48
Deserter U. S. Army							2					1	3
Embezzlement		1	1	2		3	2	1		2	1		13
Escaped from Work House	1		2		1			1	1	1			7
Exposure of Person	4	1	2	1	2	1	1	2		1	4	1	20
Escaped Convict		1									1		2
Escaped Lunatic			1										1
Felony Warrants		4			2	3		6	2				17
False Swearing	1			1				1		1			4
Fornication	3	1	1			2	3	7	2	4	1	2	26
Fugitive from Justice	6	3	4		2	2	2	1	2	1	1		24
Fast Driving	2	3		4			5	1	4	1			20
Forgery	1							1		2			4
Grand Larceny	32	24	17	27	15	26	15	15	26	13	10	25	245
Gaming	7					13			8	1	4		33
House Breaking	2	2	2	5	2		4	6	3	2	2	3	33
Horse Stealing	4	2	3		1					2			12
Hog Stealing	3										1	3	7
Harboring Vicious Dog					1				1	1			3
Interfering with an Officer											1	1	2
Infanticide			1										1
Kidnaping					1								1
Keeping Disorderly House		1	6	1						2	11	1	22
Keeping Tippling House			1										1

Lunacy	5	5	2	2	1	. . .	3	. . .	. . .	. . .	. . .	5	23
Malicious Cutting	22	27	17	21	8	13	18	10	11	19	28	25	219
Malicious Shooting	. . .	. . .	3	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	3
Malicious Assault	. . .	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	1	. . .	2
Murder	1	. . .	2	2	4	1	. . .	. . .	2	1	4	1	18
Maiming	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	2	3
Misdemeanor Warrants	. . .	. . .	. . .	. . .	5	. . .	1	. . .	. . .	. . .	. . .	. . .	6
Obtaining Money by False Pretenses	1	6	1	1	4	3	1	2	2	6	. . .	3	30
Obtaining Property by False Pretenses	. . .	. . .	1	. . .	1	1	3	. . .	. . .	. . .	. . .	6	11
Obtaining Goods by False Pretenses	. . .	. . .	1	. . .	. . .	2	. . .	. . .	. . .	2	. . .	. . .	5
Petit Larceny	20	9	15	11	8	17	18	11	8	17	13	4	151
Peace Warrants	7	3	3	5	6	4	2	6	1	6	3	6	52
Passing Counterfeit Money	1	1	1	. . .	2	1	. . .	. . .	. . .	. . .	. . .	. . .	6
Pick-pocket	. . .	1	. . .	2	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	3
Peddling without License	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	2	. . .	. . .	. . .	3
Running Over and Killing	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1
Rape	1	. .	1	. . .	. . .	. .	2	1	. . .	2	1	. . .	8
Robbing U. S. Mail	. . .	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	1
Robbery	7	6	6	2	1	4	. . .	5	1	1	7	5	45
Receiving Stolen Property	. . .	3	1	3	. . .	1	1	3	2	3	. . .	. . .	17
Suspected Felon	17	20	45	22	20	26	12	4	12	8	6	13	205
Shooting Without Wounding	2	. . .	2	5	3	. .	2	1	. . .	. . .	2	. . .	17
Shooting and Wounding	1	2	. . .	9	. . .	. . .	1	1	2	2	5	. . .	25
Selling Liquors to Minors	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	. . .	1
Surrendered by Bondsman	. . .	2	. . .	. . .	2	. . .	. . .	. . .	. . .	. . .	1	1	6
Shooting in City Limits	. . .	1	. . .	2	. . .	. . .	. . .	. . .	. . .	. . .	3	1	7
Unlawfully Detaining Girls	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1
Unlawfully Registering	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	2	. . .	2
Violation of City Ordinance	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Vagrancy	14	5	11	32	12	7	2	4	. . .	2	. . .	5	94
Violating Postal Laws	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	2
Total	731	640	577	590	380	404	490	500	651	593	620	717	6,893

STATEMENT No. V.

SUMMARY OF ARRESTS MADE BY THE POLICE FORCE DURING THE TWELVE MONTHS ENDING AUGUST 31, 1886, AND ALSO NUMBER COMMITTED TO THE WORK HOUSE DURING THE SAME PERIOD.

NATIVITY.	September	October	November	December	January	February	March	April	May	June	July	August	Total
United States (white)	297	284	302	275	175	190	203	253	309	264	288	299	3,159
United States (colored)	315	248	191	210	115	164	199	163	246	248	239	314	2,652
German	49	47	39	60	45	25	32	37	46	33	48	55	516
Irish	50	56	38	38	20	23	55	38	33	34	35	48	468
Jew	16	. . .	4	5	2	2	1	8	10	7	5	1	61
French	4	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	5
Italian	. . .	3	3	. . .	1	. . .	. . .	. . .	2	7	. . .	. . .	16
English	. . .	2	. . .	2	1	. . .	. . .	1	3	5	. . .	. . .	14
Greek	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	2	. . .	. . .	. . .	2
Total	731	640	577	590	380	404	490	500	651	593	620	717	6,893

STATEMENT No. VI.

SEX.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Male	528	486	436	469	308	284	374	353	430	444	411	478	5,001
Female	203	154	141	121	72	120	116	147	220	149	209	239	1,892
Total	731	640	577	590	380	404	490	500	651	593	620	717	6,893

STATEMENT No. VII.

AGES.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Under 20 years	107	99	99	72	43	66	72	89	99	93	84	96	1,019
Between 20 and 30 years	310	295	270	268	292	186	216	322	308	273	261	287	3,188
Between 30 and 45 years	264	203	165	196	117	120	161	48	211	181	226	213	2,105
Over 50 years	50	43	43	54	28	32	41	41	33	46	49	121	581
Total	731	640	577	590	380	404	490	500	651	593	620	717	6,893

STATEMENT No. VIII.

STATIONS.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Station No. 1	130	99	89	115	38	65	96	101	109	149	163	169	1,323
Station No. 2	492	442	401	391	280	263	293	281	448	314	320	339	4,269
Station No. 3	109	109	87	84	62	76	101	112	95	130	137	209	1,301
Total	731	640	577	590	380	404	490	500	651	593	620	717	6,893

NUMBER SENT TO WORK HOUSE.

Number	175	149	135	145	82	101	107	170	120	127	108	123	1,562

STATEMENT No. IX.

REPORTS, ETC.	1885				1886								Total
	September	October	November	December	January	February	March	April	May	June	July	August	
Dead horses	47	42	60	60	56	50	47	55	40	40	43	61	621
Dead cows	14	10	11	15	10	7	15	15	16	10	7	12	142
Dead dogs	54	50	41	31	23	22	62	71	66	81	76	56	633
Dead hogs	61	61	85	34	48	37	69	71	43	47	63	59	678
Dead cats	12	7	17	7	7	10	11	11	12	11	8	11	124
Dead sheep and goats	7	3	5	1	8	5	5	5	7	5	10	5	66
Broken crossings	6	4	6	0	6	6	3	2	2	2	1	1	39
Sewers out of fix	3	3	3	1	5	3	4	4	3	3	0	2	34
Stray horses and cows	5	10	3	3	16	5	6	8	5	8	5	6	80
Pumps out of fix	20	21	7	11	16	18	25	26	20	20	25	26	225
Officers called	13	12	6	1	14	11	8	14	16	12	10	11	128
General orders	3	1	1	1	3	2	2	3	2	2	1	1	22
Special orders	2	2	2	1	4	3	6	2	4	2	4	1	33
Robbery	2	4	2	3	4	4	2	1	2	3	2	2	31
Lost children	26	20	16	14	7	12	17	30	43	20	23	12	270
Coroner called	14	4	7	11	15	13	8	5	8	4	9	7	240
Stolen horses	2	5	1	1	3	2	2	2	2	1	1	2	24
Stolen cows	1	1	1	0	2	1	1	1	1	1	1	1	12
Lost dogs	5	2	3	0	5	3	3	3	5	2	2	5	38
City Undertaker, "F. D."	7	1	5	5	9	2	0	0	0	0	0	0	29
City Undertaker, "W. D."	0	0	0	0	2	3	3	2	5	3	0	0	17
Patrol wagon No. 1	60	43	29	36	36	41	51	49	44	52	75	59	578
Patrol wagon No 2	125	159	116	226	99	105	143	140	134	106	132	149	1635
Patrol wagon No. 3	59	49	61	56	37	37	65	54	48	75	75	58	674
Registered Messages	558	514	488	521	435	392	568	574	528	510	583	547	6208

Unregistered messages for the twelve months, ending August 31, 1886, taking fifty as the average calls per day	18,250
Registered messages	6,208
Total registered and unregistered messages	24,458

REPORT

OF THE

CITY WORK HOUSE

FOR THE

YEAR ENDING AUGUST 31, 1886.

SUPERINTENDENT'S REPORT.

CITY WORK HOUSE,

LOUISVILLE, KY., September 1, 1886.

Chairman Committee on Work House, B. C. P. C.:

DEAR SIR: I have the honor to transmit herewith the annual report of the City Work House for the fiscal year ending August 31, 1886. I am, sir, very respectfully,

Your obedient servant,

R. G. HAYES,

Superintendent.

SCHEDULE A.

SHOWING EXPENSES OF LOUISVILLE CITY WORK HOUSE FOR THE YEAR ENDING AUGUST 31, 1886.

MONTHS.	Salaries of Officers	Salaries of Quarrymen	Repairs	Provisions	Shoes and Clothing	Drugs	Hardware and Tools	Fuel	Light	Water	Provender	Powder and Fuse	Office Stationery	Sundries	Total Expenses
September, 1885	$567 44	$158 24	$14 50	$296 82	$23 77	$23 79	$63 23	$22 00	$9 45	$1 53	$24 40	$54 10	....	$9 61	$1,268 88
October, 1885	602 75	173 15	180 82	496 17	102 67	27 24	15 60	41 25	11 50	42 30	16 80	39 00	$8 50	98 90	1,856 65
November, 1885	608 25	143 83	....	359 16	52 88	13 57	26 85	22 00	9 16	....	23 23	19 50	....	18 25	1,296 68
December, 1885	613 00	151 99	26 00	379 92	25 65	....	59 24	384 39	19 49	44 33	34 70	22 00	7 80	6 75	1,775 26
January, 1886	652 42	100 50	....	298 40	41 42	37 87	68 50	426 40	8 88	46 35	44 90	19 25	3 00	1 80	1,749 69
February, 1886	624 50	87 75	6 25	300 91	49 76	23 96	28 40	182 05	12 70	49 55	41 03	11 00	....	12 70	1,430 56
March, 1886	628 25	155 04	91 75	380 61	47 85	20 80	18 70	214 10	25 10	74 20	14 00	26 00	27 60	11 60	1,735 60
April, 1886	573 00	227 18	....	301 91	129 37	22 70	77 53	191 22	4 40	54 80	39 98	20 50	3 00	35 90	1,681 49
May, 1886	596 37	182 37	78 53	309 90	64 03	22 77	28 85	17 50	13 60	46 75	14 70	41 40	3 55	44 57	1,464 89
June, 1886	590 50	187 61	39 25	377 35	93 12	22 05	22 70	20 00	7 64	48 60	14 40	53 55	4 40	9 25	1,490 42
July, 1886	577 75	187 75	23 50	343 14	30 83	23 07	53 39	27 50	3 25	59 60	14 55	23 25	13 50	16 28	1,397 36
August, 1886	576 50	155 11	....	310 86	48 54	13 83	1 15	27 50	8 92	44 04	15 35	17 75	7 85	1 30	1,228 70
Total	$7,210 73	$1,910 52	$460 60	$4,155 15	$709 89	$251 65	$464 14	$1,575 91	$134 09	$512 05	$298 04	$347 30	$79 20	$266 91	$18,376 18

SCHEDULE B.

SHOWING RECEIPTS OF CITY WORK HOUSE FOR THE YEAR ENDING AUGUST 31, 1886.

MONTHS.	BROKEN STONE.			PAVING STONE.			BUILDING STONE.			SUNDRIES.	TOTAL RECEIPTS.
	Number Yards.	Price.	Value.	Number Loads.	Price.	Value.	Number Loads.	Price.	Value.		
September, 1885	961.2	$0 65	$624 78	100	$1 25	$125 00	4	$3 00	$12 00	32 loads broken stone, at $1.00 $32 00 121 5-6 sq. ft. flagging @ .15¼ 18 58 152½ sq. ft. flagging @ .16⅔ 24 42	$836 78
October, 1885	1,217.4	65	791 31	135	1 25	168 75	3	3 00	9 00	22 loads broken stone @ $1.00 22 00 75½ feet curbing and gutter flagging @ .23 17 62 4 loads spalls @ $1.00 4 00	1,008 68
November, 1885	1,689.94	65	1,098 45	50 3	1 25 1 50	62 50 4 50				55 feet crossing @ .25 13 75 12 loads broken stone @ $1.00 12 00 11½ feet flagging @ .25 2 87	1,198 07
December, 1885	670.35	65	435 73	12 26	4 00 1 50	48 00 39 00				8 loads broken stone @ $1.00 8 00	530 73
January, 1886											
February, 1886	1,400.0	65	910 00				2	3 00	6 00		916 00
March, 1886				66	1 25	82 50	9	3 00	27 00	75 feet curbing @ .20 15 00 99⅔ sq. ft. pave flagging @ .22 22 00 1 load spalls 35	146 85
April, 1886							20	3 00	60 00	288 feet curbing @ .20 57 60 106⅙ lintels @ .20 21 24 18 pieces stone 7 80 100 feet water table @ .20 20 00 1 load bottom courses 4 00 3 steps, 4⅙ feet each, @ .20 2 50	173 14
May, 1886	2,290.9	65	1,489 10	54	1 30	70 20	8	3 00	24 00	46 feet pave flagging @ .22 10 12	1,593 42
June, 1886							12	3 00	36 00	7 blocks stone, 10 x 18 in., @ .30 2 10 1 load top courses 4 00 1 load top courses 4 50 48 feet gutter flagging @ .23 11 04 559½ feet curbing @ .23 128 65	186 29

July, 1886	363.5	65	236 28	26	1 25	32 50	20 1	3 00 3 50	60 00 3 50	To repairing Work House road, 200 cu. yds. broken stone, use 2 cart teams and 4 men under guard . 200 00 2,573 10-12 ft. curb. and flagg. @ .23 591 99 54 feet steps, 13 in. wide, @ .25 . . 13 50 10 feet curbing, 2 feet wide, @ .25 . 2 50 25 feet corner stone @ .23 . . . . . 5 75	1,146 02
August, 1886							38	3 00	114 00	8 loads broken stone @ $1.00 . . 8 00 94 5-12 feet crossing @ .23 . . . . 21 72 64½ feet gutter flagging @ .23 . . 14 84 22 feet 8-inch flagging @ .22. . . . 4 84 536⅓ feet curbing @ .23 . . . . . 123 36	286 76
TOTAL	8,593.29	$4 55	5,585 65	472	$14 55	$632 95	117	$30 50	$351 50		$1,452 64	$8,022 74

SCHEDULE C.

SHOWING EXPENSES OVER RECEIPTS FOR THE YEAR ENDING AUGUST 31, 1886

EXPENSES.

Amount paid for current expenses, as shown per Schedule A . .	$18,376 18

RECEIPTS.

Stone sold from August 31, 1885, to August 31, 1886, as shown per Schedule B	$8,022 74	
Add stone on hand August 31, 1886, to-wit:		
3,000 cubic yards of broken stone, @ 65 cts.	$1,950 00	
242 feet crossing, @ 23 cents	55 66	
100 feet 8 inch flagging, @ 23 cents . . .	23 00	
250 feet curbing, @ 23 cents	57 50	
1,654⅔ square feet pavement flagging, @ 25 cents	413 66	
Four four-horse loads of building stone, @ $3.00	12 00	
	10,534 56	
Deduct stone on hand August 31, 1885, valued at . . .	1,047 30	
		9,487 26
By balance		$8,888 92
Balance expenses over receipts		$8,888 92

SCHEDULE D.

SHOWING DISCHARGES AND ESCAPES OF PRISONERS AT CITY WORK HOUSE FOR THE YEAR ENDING AUGUST 31, 1886.

MONTHS.	MALES.			FEMALES.			*Escaped	Grand Total.
	White.	Colored	Total.	White.	Colored	Total.		
September, 1885	44	47	91	20	30	50		141
October, 1885	81	54	135	18	23	41	3	179
November, 1885	49	47	96	21	21	42	9	147
December, 1885	56	35	91	20	14	34	1	126
January, 1886	46	37	83	22	10	32		115
February, 1886	50	37	87	8	13	21	1	109
March, 1886	52	34	86	13	16	29	3	118
April, 1886	43	33	76	14	23	37	1	114
May, 1886	42	32	74	26	31	57	4	135
June, 1886	40	50	90	13	26	39	1	130
July, 1886	41	44	85	17	28	45	3	133
August, 1886	32	28	60	18	22	40	1	101
Total	576	478	1,054	210	257	467	27	1,548

*ESCAPED, 27—October, 1885, 3: Steve Manning (col.), Mary Conley (white), Mary Canty (white); November, 1885, 9: Sis Brown, Sue Ford, and Martha Jones (col.), Nantz Seelback and Phil Beaner (white), Yancy Adams and Henry Johnson (col), Norden Jones (col.), escaped twice; December, 1885, 1: Dan Rice (white); February, 1886, 1: Chas. Lewis (white); March, 1886, 3: Frank Fisher (white), Stephen Murphy (white), Chas. Ewing (col.); April, 1886, 1: Abe West (col.); May, 1886, 4: Wm. Graves (col.), Phil Beaner (white), Lucy Reynolds (col.), Mary Dorsey (white); June, 1886, 1: H. Bergman (white); July, 1886, 3: Elijah Hughes (col.), Wm. Custer (col.), Henry Thomas (col.); August, 1886, 1: Phil Beaner (white).

SCHEDULE E.

SHOWING COMMITMENTS AND RECAPTURES OF PRISONERS AT CITY WORK HOUSE FOR THE YEAR ENDING AUGUST 31, 1886.

MONTHS.	MALES.			FEMALES.			*Recaptures	Grand Total
	White	Colored	Total	White	Colored	Total		
September, 1885	63	58	121	24	37	61	1	183
October 1885	75	46	121	16	19	35	1	157
November, 1885	51	44	95	20	21	41	1	137
December, 1885	68	45	113	19	14	33	. . .	146
January, 1886	35	30	65	16	5	21	. . .	86
February, 1886	48	37	85	11	18	29	. . .	114
March, 1886	49	38	87	16	15	31	. . .	118
April, 1886	47	29	76	17	20	37	1	114
May, 1886	34	38	72	23	34	57	1	130
June, 1886	39	47	86	13	28	41	. . .	127
July, 1886	36	30	66	17	29	46	. . .	112
August, 1886	40	37	77	24	23	47	. . .	124
Total	585	479	1,064	216	263	479	5	1,548

*REMARKS.—Walter Freman (col.); Mary Conley (white); Steve Manning (col.); Charles Ewing (col.); Yancy Adams (col.)

Prisoners on hand September 1, 1885	94	
Prisoners committed during the year	1,543	
Prisoners recaptured during the year	5	
		1,642
Prisoners discharged during the year	1,520	
Prisoners escaped during the year	27	
Prisoners died during the year	1	
		1,548
Prisoners on hand September 1, 1886		94

SCHEDULE F.

SHOWING CHARGES AGAINST PRISONERS OF CITY WORK HOUSE FOR THE YEAR ENDING AUGUST 31, 1886.

CHARGES.	1885.				1886.								Total.
	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	
Disorderly conduct	83	53	54	50	29	54	36	45	54	67	56	61	642
Drunk and disorderly conduct	63	77	54	55	31	28	62	50	54	39	39	38	590
Drunkenness	4	2	1	2	2	1	..	..	..	1	..	1	14
Suspected felon	..	2	6	8	5	14	2	4	9	1	..	7	58
Breach of peace	6	3	3	5	2	1	1	2	2	3	3	3	34
Adultery	..	..	1	..	..	..	..	..	..	..	..	..	1
Disorderly house	..	..	2	..	..	..	..	..	..	1	..	..	3
Destroying private property	..	1	..	..	..	..	..	..	..	..	..	..	1
Vagrancy	9	2	3	14	9	4	3	4	1	1	..	3	53
Petit larceny	14	13	8	6	7	9	7	5	5	7	7	6	94
Grand larceny	..	..	2	..	..	1	..	..	..	..	..	..	3
Carrying concealed and deadly weapons	1	1	1	2	1	1	4	1	3	6	2	2	25
Interfering with officer	..	..	..	..	1	..	..	..	..	1	..	..	2
Abuse of family	1	1	..	1	..	..	1	..	..	..	3	1	8
Exposure of person	..	..	..	1	..	..	..	1	..	..	2	..	4
Peace warrant	1	..	..	..	..	..	..	..	..	..	..	..	1
Fast driving	..	1	..	..	..	..	..	..	1	..	..	..	2
Cruelty to animals	..	..	..	1	..	..	..	..	..	..	..	..	1
Misdemeanor warrant	..	..	..	1	..	..	..	..	..	..	..	..	1
Attachment	..	..	..	..	..	..	1	..	..	..	..	..	1
Shooting at	..	..	..	..	..	..	1	..	..	..	..	..	1
Doing business without license	..	..	..	..	..	..	..	1	..	..	..	..	1
Capias pro fine	..	..	..	..	..	..	..	..	..	..	..	2	2
Recommitted	..	..	..	..	..	..	..	..	1	..	..	..	1
Totals	182	156	135	146	87	113	118	113	130	127	112	134	1,543

DRUGS AND MEDICINES.

ACIDS—		
Hydrocyanic, dil.	oz.	½
Acetic	"	12
Carbolic	"	8
Hydrochloric, dil.	"	16
Nit. Mur., dil.	"	2
"	"	8
Sulphuric	"	32
Nitric, C. P.	"	8
Sulph., arom.	"	3
Boracic	"	5
Salicylic	"	1
Citric	"	2
Tartaric	"	8
Tannic	"	5
Gallic	"	16
Alcohol	pints	3
Anodyne, Hoffman's	"	4
Aqua menth. pip.	"	4
Aqua ammonia	"	2
Atropia, sulph.	oz.	⅛
Ammon, bromide	"	1
Aloes, powd.	"	5
Antim and pot., tart.	"	1
Aniline, red	"	1
Antimony, sulphuret	"	4
Ammon, mur.	"	10
Acacia, powd.	"	8
Boxes, T. W., 1 oz.		108
Boxes, pill, No. 31		24
Bottles, F. S., assort.		144
Bottles, G. S.		6
Bals., Peru	oz.	2
Bals., copaiba	"	8
Bromidia	"	2
Beef peptonoids, Rose's,	bottles	1
Butter, cocoa	oz.	4
Borax, powd.	"	2
Bismuth, sub. nit.	"	4
Buchu leaves	"	2
Corks	gross	2
Collodion	oz.	5
Chloroform	"	24
Camphor	"	16
Cans, 1 gall.		2
Capsules, empty		500
Cinchona, sulph.	oz.	¼
Capsicum, powd.	"	4
Caustic, lunar	"	1
Chloral, hydrate	"	1½
Cupri, sulph.	"	2
Charcoal, willow	"	2
Cerate, simplex	"	8
Dishes, evaporating		3
ELIXIRS—		
Grindel, Rob.	oz.	2
Tarax	"	2
Cascara	"	4
Phos., I., Q, and S.	"	6
ELIXIRS.—		
Gent. and chlor. iron	oz.	8
I. B. C. Co.	"	12
Wheeler's	bottles	1
Ether, strong	oz.	2
Elaterium	"	⅛
EXTRACTS—		
Nux vomica	oz.	1
Licorice, powd.	"	4
Aloes, powd.	"	1
Conium	"	1
Sandalwood	"	3
Cannalis, ind.	"	1
Aloes	"	4
Hyoscyam	"	1
Belladonna	"	6
Leptandrin	"	8
Tarax	"	24
Colocynth	"	6
FLUID EXTRACTS—		
Cascara, sag.	oz.	16
Broom tops	"	4
Arnica	"	14
Valerian	"	4
Blackberry root	"	8
Ergot	"	6
Uva ursi	"	8
Squills	"	2
Ipecac	"	4
Rhei, arom.	"	4
Senega	"	2
Stillingia	"	8
Damiana	"	4
Buchu	"	2
Cubebs	"	1
Hyoscyam	"	1
Pruni virg.	"	14
Flowers, arnica		—
Flaxseed, ground	lbs.	5
Glycerine	oz.	16
Graduates		3
Galls, powd.	oz.	2
Ginger, powd.	"	3
Gentian, powd.	"	16
Horsford's phosph.	"	8
Hydrarg, proto. iod.	"	1
Hydrarg, cum. creta	"	1
Hydrarg, oxide rub.	"	½
Hydrarg, bicholoride	"	4
Hops	"	4
Iodine	"	1
Iodoform	"	1
Iron, cit.	"	1
Iron, sulph.	"	2
Iron, precip. carb.	"	1
Iron and quin., cit.	"	1
Iron, oxide	"	2
Iron and pot., tart.	"	16
Iron, sulph.	"	6

DRUGS AND MEDICINES.—Continued.

Ipecac, powd.	oz.	10
Ipecac, powd., co.	"	4
Jalap, powd., co.	"	2
Jalap, powd.	"	4
Jugs, 1 gall.		4
Kennedy's pinus canaden.,	oz.	24
Kino, powd.	"	1
Liq. plumb. sub. acet.	"	20
Liq. pot. arsen.	"	3
Liq. pepsin	"	12
Liq. potassa	"	4
Lime juice and pepsin	"	3
Lime, chlor.	lbs.	2
Lactopeptine	oz.	1
Lupulin	"	1
Lycopodium	"	4
Listerine	bottle	1
Lin saponis, co.	oz.	6
Mix and cholera	"	16
Mucilage	bottle	1
Mortars, W. W.		5
Morphia, sulph.	oz.	1/8
Myrrh, powd.	"	4
OIL.—		
Wintergreen	oz.	1/2
Lavender	"	1/4
Rosemary	"	1/2
Lemon	"	3/4
Sandalwood	"	3
Croton	"	3/4
Peppermint	"	1/2
Black pepper	"	1
Cinnamon	"	3
Morrhuae	"	4
Lard	"	32
Castor	"	12
Sweet	"	4
OINTMENT.—		
Slab's		1
Citrine	oz.	4
Hydrarg	"	4
Orange peel	"	16
Papine	oz.	4
Platts chloride	bottles	1
Payson indel. ink	bottles	1
PLASTER.—		
Bellad	yards	1/2
Allcocks		3
Resin	oz.	16
Pepsin, saceh	"	1/2
Podophyllin	"	1/2
Plumbi, Acet	"	3 1/2
Percolator glass		1
Potpaste		1
Pith sassafras	oz.	24
Plaster paris	lbs.	1
POTASH.—		
Permang	oz.	1
Cyanide	"	4
POTASH.—		
Bicarb	oz.	1
Citrate	"	3
Brom	"	2
Iodide	"	8
Carb	"	4
Chlor	"	8
Acet	"	16
Nitrate	"	3
Pill, ergotine, 3 grs.		23
Pill, C. C.		75
Paper filtering		12
Paris green	oz.	8
Powd. sedlitz	box.	1
Quinia, dextro	oz.	1
Quin quinia	"	1/2
Quinine	"	1 1/2
Radway's relief	bottles	3
Rhei powd	oz.	4
Rad. senega	"	12
Rad. scillae	"	8
SYRUP.—		
Pruni virg	oz.	4
Acacia	"	8
Iod. iron	"	6
Roborans	"	8
Tolu	"	16
Scillae, co.	"	4
Sarsap co.	"	12
Stilling, co	"	12
Simplex	"	24
Salts, C. O	lbs.	1
Saffron, amer	oz.	8
SPIRITS.—		
Ammon arom	oz.	6
Frumenti	gal.	1/2
Lavender, co	oz.	16
Nitre	"	8
Sponges, bath		3
Sponges, surgeon		1
Syringe, hypoder		1
Syringe, penis		6
Speculums, glass		2
Strychnia, sulph	oz.	1/4
Silver, nit	"	1
Santonine	"	2
Salicine	"	1
Salts, epsom	lbs.	" 8
Sulphur	"	16
Sanders, red	"	8
SODA.—		
Hyposulph	oz.	16
Salicyl	"	4
Sal.	lbs.	1 1/4
Soap, castile	"	2
Scales, prescription		1
TINCTURE.—		
Capsicum	oz.	3
Ginger	"	3

DRUGS AND MEDICINES.—Continued.

TINCTURE.—		
Tolu	oz.	4
Verat vir	"	4
Lobelia	"	4
Iodine	"	6
Catechu	"	1
Kino	"	8
Digitalis	"	3
Rhei	"	4
Assafoet	"	8
Aconit rad	"	8
Opii camphor	"	16
Opii deod	"	6
Valer ammon	"	3
Iron	"	16
Myrrh. co	"	12
Belladonna	"	2
Nux vom	"	2
Cinch, co	oz.	16
Guiac	"	8
Orange peel	"	12
Cantharides	"	4
Sanguin	"	3
Aloes	"	2
Arnica	"	16
Trommer's malt	bottle	1
Tiles pill		1
Uva ursi leaves	oz.	8
VINUM.—		
Ferri	oz.	4
Colchicum seed	"	2
Armer ash	"	12
Vaseline	"	8
Walker's rheumatic cure	bot.	1
Weights aluminium	set	1

PROPERTY RETURN, LOUISVILLE CITY WORK HOUSE, AUGUST 31, 1886.

Augers		1
Anvils		1
Apples, dried	lbs.	9
Apples, green	bu.	1
Awl, harness		1
Axle-grease	boxes	4
Baskets, clothes		2
Buckets, wooden		27
Baskets, waste		1
Blankets, single, prisoners'		245
Blankets, double, prisoners		71
Bowls, wooden		2
Butter churn		2
Boards, biscuit		2
Boxes, coal		6
Boilers, tin		8
BOOKS.—		
Copy, letters		1
Court		1
Discharge		1
Index		1
Order		1
Time		1
Check		2
Issue		1
Memorandum		5
Bells, brass		2
Bells, call		3
Bells, dining-room		3
Boxes, cash		1
Brush, letter, cup		1
Beeswax, white	lbs.	3
Bill-heads, blank		115
Baskets, wash		2
Bedsteads, single		7
Bedsteads, double		4
Bureaus, imitation walnut		5
Bureaus, marble-top		4
Bricks, bath		10
Buckets, soil		125
Belts, shot		2
Bars, grate range		5
Basins, wash, tin		19
Brooms, large		27
Brooms, small		4
Bedticks		5
Boxes, meal		2
Brushes, dusting		1
Box, meat, tin		1
Baskets		2
BENCHES.—		
Wash		1
Prisoners'		116
Work		1
Blacksmith		1
Small, pine		3
Boiler, wash		1
Blue, soluble	lbs.	5
Brushes, scrubbing		17
Blotters		75
Bowls and pitchers		6
Beans, dried	bu.	2
Bowls, salad		1
Bowls, sugar		2
Boxes, clothes		1
Brands, W. H.		1
Buckets, milk, tin		2
Bookcase		1
Brackets, corner		2
Butter tray		1
Biscuit cutters		2
Bedspreads		10

PROPERTY RETURN.—Continued.

BARS.—		
Crow		1
Small		8
Large		2
Tamping		1
Bellows	pair	1
Bevels		1
Braces		1
Carpets, brussels		3
Carpets, tapestry		2
Carpets, hall		2
Chest, wooden		1
Cups, stoneware		12
Clothes-horses		2
Coffee-mill		1
Chairs, wooden		2
Chisels, cold		2
Candlesticks		4
Castor, silver-plated		1
Candles		300
Coal-oil cans, large		1
Coal-oil cans, small		2
Cans, sprinkling		2
Cases, pillow, officers'		16
Castor, wire		1
CHAIRS.—		
Cane-seat		42
Arm, H. C.		1
H. C.		4
Rocking, H. C.		1
Arm, cane		2
Chambers		4
Churns		1
Chest, meal		1
Coal, Kentucky (estimated)	bu.	800
Cups, tin, prisoners		240
Clocks		2
Coal-oil	bbls.	1
Cultivator		1
Cement	lbs.	1,750
Cotton, absorbent	"	¼
Cow		1
Corn	bu.	5
Curry-comb		1
Curry-brush		1
Cart harness	sets	4
Chest engineer's tools		1
Carts		4
Coffee-cans, large		7
Chambers	sets	4
Canisters, tea		3
Chickens		25
Coal, Pittsburgh	bu.	50
Cotton, spools	doz.	2
Counterpanes, white		4
Crocks, milk		8
Curtains, lace	pair	2
Curtains, cambric		4
Coffee	lbs.	127
Carpenter's bench		1
Cans, powder		5
Dippers		2
Desks		4
Dictionary, Webster's		1
Directory, Caron's		1
Dish-pans		3
Dusters		1
Desks, pine		1
Diggers, post-holes		1
DRILLS.—		
Block		14
Feather		18
Two man-runners		5
Three man-runners		3
Derricks		2
Envelopes, white		125
Envelopes, manila		250
Egg whips		2
Essence coffee, packages	doz.	2
Engineer's tools	sets.	1
FILES.—		
Large		8
Taper		2
Saw		10
Order		7
Fuse	feet.	500
Flour	bbls.	1
FIRE.—		
Extinguisher, large		1
Extinguisher, small		1
Hand grenades		12
Forks, manure		2
Forks, table		12
Foot tub		1
Fluting machine		1
Fork, meat, large		1
Forks, silver-plated		12
Fruit stands		1
Gauges, steam		2
Guns, shot, double-barrel		2
Gongs, door		2
Grindstone and stand		1
Goblets, glass		14
Glue	lbs.	7
Halters		3
Holders, pen		3
Hammers		1
Harness dressing	qrts.	1
Harness thread	balls	3
Hose and reels		6
Hatchets		2
Hammocks		160
Hat-rack		1
Hay, loads		½
Hoes		10
Horses		4
Harrows		1
Hominy	bbls.	1

PROPERTY RETURN.—Continued.

Hand-cuffs	pair	5
Horseshoeing	sets	1
Hose	feet	50
Hook, meat		1
HAMMERS.—		
Stone, small		75
Sledge, large		12
Sledge, small		8
IRONS.—		
Soldering		1
Flat		9
Polishing		1
Waffle		1
Muffins		1
Broiling		3
Fire		1
Ironing-boards		2
INK.—		
Bottles, black		3
Bottles, carmine		1
Stands		3
Ice hooks, pair		1
Ice cream freezer		1
Iron griddle		1
Jugs, gallon		3
Jersey wagon		1
Jars, fruit		12
Jeans pants		7
Jeans, yards		48
Jars, stone		5
KETTLES.—		
Copper, large		1
Brass		1
Tea		3
KNIVES.—		
Knives		10
Carving		6
Breakfast		11
And forks, S. P		12
And forks, carving		4
Butter		1
Boxes		2
I. H., small		16
Kitchen utensils, sets		1
Kitchen range		1
Ladders, step		3
Lamps, coal oil		15
Lamps, student		3
Lanterns, coal oil		9
Lantern and reflector		1
Lamp wicks	gross	2
Lamp chimneys		40
Lamp burners		30
Lantern globes		37
Lamp chimneys, small		58
Lard	bbls.	½
Letter press		1
Labels, blank		50
Letter-heads, blank		750
Lemon squeezer		1
Lye, concentrated	boxes.	11
LINES.—		
Tape, steel		1
Tape, linen		1
Clothes		4
Mats, shuck		14
Macaroni	lbs.	25
Matches	boxes.	12
Mattresses, single		9
Mattresses, double		2
Meal corn	lbs.	800
Medicine cases		3
Mules		1
Mosquito bars and frames		7
Molasses	gal.	1
Mustard glass		1
Mallet, wooden		1
Mills, pepper		2
Meal sacks		6
Napkins		20
Nails	lbs.	150
Needles	papers	25
Onions	bbls.	5
Onion sets	bu.	1
Prisoners' wagon		1
Plows		2
Pitch fork		1
Plow harness	sets	2
Potatoes, Irish	bbls.	50
Pillows, officers		14
Pans, dust		5
Paper, foolscap	reams	½
Pencils, lead	doz.	½
PANS.—		
Sauce		3
Frying		4
Bake, large and small		18
Dish		1
Plates, stoneware		28
PITCHERS.—		
Water		1
Cream		2
Molasses		1
Glass		1
Pads, scratching		6
Powder papers		500
Plates, tin		176
Pins, clothes		560
Pumps, coal oil		1
Pepper, ground, black	lbs.	1½
Pepper, red	lbs.	2
Pokers, fire		3
Pots, starch		1
Pan, block tin, starch		1
Pork, mess	lbs.	7
Pots, iron		3
Pillow ticks		40
Pillows and cases, prisoners		46

PROPERTY RETURN.—Continued.

Picks		12
Pillows, feather		10
Pins	papers	22
Plumber's tools	set	1
Refrigerator		1
Rakes		3
Roll, canvas		1
Register, W. H.		2
Rolls, pay, blank		73
Rubber ink-eraser		1
Rulers		1
Rope	feet	75
Rye	lbs.	150
Reports, Supt.'s blank		15
Register, cells		1
Range, large, prisoners		1
Rifles, Winchester		2
Racks, meat		1
Rescue	yds.	100
Rock-barrows		3
Scythe, briar		1
Shovels		24
Spades		2
Shackles, chain		64
Shackles, leg		12
Sheets, officer's		14
Spittoons, iron		6
Shoes, men's	pair	14
Soap	boxes	4
Sprinkler, water		1
Saw		1
Stoves, cannon, large		1
Stoves, cannon, small		1
Stoves, ironing, small		1
Stool, office		1
Sugar, N. O.	lbs.	6
Sugar, granulated	"	10
Starch	"	18
Saucers		12
Shoes, women	pair	3
Shirts, prisoners		14
Scales, platform		1
Scales, counter		1
Scales, prescription		1
Scuttles, coal		5
Soap, palm	lbs.	¾
Slates		1
Straps, hammock		338
Shovels, fire		2
Scoops		4
Shoulders, meat	lbs.	250
Sheets, bed		30
Scissors, lamp		1
Steam-pipe, ¾-inch	feet	14
Steam-pipe 1 inch	"	14
Steam-pipe 1½ inch	"	14
SPOONS.—		
Table, S. P.		12
Tea		12
Tea, plated		12
Dessert, plated		12
Starch, large		1
Tea		7
Table		6
Tin		144
Tongs, blacksmith		5
Tooth forceps		5
Tags, shipping		120
Tumblers		9
Tiles, fire		7
Tray, wooden		1
Table-cloths		3
Towels, prisoners'		32
TABLES.—		
Poplar		7
Eating		19
Parlor		1
Side		1
Stand		2
Walnut		2
Extension		2
Trussels		4
Towels, officers'		6
Tea	lbs.	4
Thimbles		6
Tongs, coal		7
Towels, fancy		32
Unions, brass		2
Unions, iron		7
Vinegar	gal.	13
Vises		2
Wash tubs		3
Washstands, imitation walnut		5
Wardrobes, pine		5
Wardrobes, imitation walnut		4
Washboards		13
Wheelbarrows		1
Water-cooler and stand		1
Waiters, tin, large		2
Waiters, tin, small		3
Wardrobes, walnut		2
Washstands		3
Wrenches, monkey		2
Wringer, clothes		1

ANNUAL REPORT

OF THE

LOUISVILLE CITY HOSPITAL

FOR THE

FISCAL YEAR ENDING AUGUST 31, 1886.

Superintendent's Report.

CITY HOSPITAL,
Louisville, Ky., September 1, 1886.

To the Honorable Board Commissioners of Public Charities:

Gentlemen: I beg leave to submit herewith the annual report of the expenses, statistics, etc., of the City Hospital for the fiscal year ending August 31, 1886.

The total expenses for the year were $28,375.20; deduct from that amount, money received from pay patients, clinical tickets, and insurance, and paid into City Treasury amounting to $2,929.75 will leave $25,445,45, the actual cost of the Hospital for the year. The actual cost of the Hospital for the previous year was $33,571.93, making a showing in favor of the year just ended $8,126.48. If we add to this amount $1,000.00, paid for coal, which is still on hand, will make a difference of $9,126.48 in favor of the year just ended. This is a remarkable as well as an unusually good showing.

The patients have all been well cared for, and I think all deserving persons have received the benefits afforded by the institution. The principal cause of reduction of the expenses is the care taken by the members of your honorable board in issuing permits to applicants and thereby keeping out impostors, and the care taken by the medical staff in discharging patients as soon as well enough. In this way the daily average number has been less. All necessary economy has been observed in the management of the institution. I am sorry to say no report has been sent in from the medical staff. For further particulars I beg leave to refer you to the accompanying schedules.

Very respectfully,

Your obedient servant,

J. L. LONG,
Superintendent.

SCHEDULE No. I.

SHOWING ORDINARY OR CURRENT EXPENSES FOR THE FISCAL YEAR ENDING AUGUST 31, 1886.

MONTHS.	Salaries.	Medicines.	Instruments	Liquors.	Merch'dise and Repairs.	Diet and Groceries.	Water.	Gas.	Coal.	Totals.
September, 1885	$717 17	$127 89	$3 10	$10 00	$159 35	$932 42	76 95	30 87	$1,611 03	$3,668 78
October, 1885	720 05	157 52	. . . . .	8 00	34 37	878 59	74 75	40 09	. . . . .	1,913 37
November, 1885	708 00	139 67	6 55	97 05	93 46	782 11	83 40	54 14	. . . . .	1,964 38
December, 1885	708 00	120 70	3 00	34 00	132 36	878 26	93 80	64 50	. . . . .	2,034 62
January, 1886	693 93	223 56	6 95	97 15	66 99	914 65	96 45	65 36	. . . . .	2,165 04
February, 1886	693 00	177 56	7 50	30 00	39 65	963 07	100 50	52 81	. . . . .	2,064 09
March, 1886	693 00	192 19	10 65	123 55	10 85	945 32	161 35	52 72	. . . . .	2,189 63
April, 1886	693 00	152 47	8 30	115 05	43 50	842 38	46 30	51 58	132 85	2,085 43
May, 1886	671 96	147 76	7 65	46 00	64 81	875 84	. . . . .	31 82	. . . . .	1,845 84
June, 1886	665 00	137 58	2 65	113 05	131 67	761 58	55 75	34 57	967 35	2,869 20
July, 1886	665 00	172 37	4 75	38 50	47 12	808 45	60 00	37 19	. . . . .	1,833 38
August, 1886	665 00	101 50	6 10	30 50	117 09	733 69	78 10	43 32	. . . . .	1,775 30
Total	$8,293 11	$1,850 77	$67 20	$742 85	$941 22	$10,316 36	$927 35	$558 97	$2,711 23	$26,469 06

SCHEDULE No. II.

SHOWING EXPENSES FOR EXTENSION AND IMPROVEMENTS OF CITY HOSPITAL FOR THE FISCAL YEAR ENDING AUGUST 31, 1886.

ARTICLES.	1885				1886								Total.
	September	October	November	December	January	February	March	April	May	June	July	August	
Repairing wagon and harness	$2 75								$6 45	$2 75		$5 20	$17 15
Rent of telephone	5 00	$5 00	$5 00	$5 00	$5 00	$5 00	$5 00	$5 00	5 00	5 00	$5 00	5 00	60 00
Lumber	13 13	3 07	5 01	3 87			13 76		7 48	15 20	40		61 94
Plumbing material	2 88	7 45	1 60		9 22	4 35	19 80	5 28			2 95		53 53
Hardware	4 20	2 20	10 65	2 20	3 05	3 35	6 25	1 50	4 15	3 80	3 75		45 10
Clinical tickets and diplomas	7 00					7 00	8 00						22 00
Shoeing horse	1 40			7 65	1 70	2 50	1 95		3 40	1 90		3 00	23 50
Repairing brick walk	188 00												188 00
Repairing laundry machine	27 20												27 20
Repairing elevator		18 60											18 60
Repairing clocks		2 25											2 25
Repairing roof			22 08										22 08
Repairing bells and battery			2 30				5 75			2 55		1 45	12 05
Repairing grates			5 00										5 00
Repairing chairs			10 72										10 72
Machinist supplies						9 90					1 00		10 90
Repairing boiler								25 00		127 78			152 78
Repairing gutters										77 18			77 18
Paints and painting											107 41	48 75	156 16
Cutting grass											6 00		6 00
Plastering												1 50	1 50
Repairing damage by fire													542 50
Insurance												450 00	450 00
Total	$251 56	$38 52	$62 36	$18 72	$18 97	$32 10	$60 51	$36 78	$26 48	$236 16	$126 51	$514 98	$1,566 14

SCHEDULE No. III.

SHOWING AMOUNT AND SOURCE OF RECEIPTS OF CITY HOSPITAL FOR FISCAL YEAR ENDING AUGUST 31, 1886.

MONTHS.	Receipts from damage by fire.	Miscellaneous.	Slops.	Private Patients.	Clinical Tickets.	Totals.
September, 1885			$2 00	$21 55		$23 55
October, 1885			1 00	39 20	$650 00	690 20
November, 1885			2 00	57 00	75 00	134 00
December, 1885			5 70	69 20	30 00	104 90
January, 1886			4 00	68 35	25 00	97 35
February, 1886			4 80	35 00		39 80
March, 1886			1 10	159 60	480 00	640 70
April, 1886	$936 75		4 00	41 00	85 00	1,066 75
May, 1886				19 00		19 00
June, 1886			1 40	28 60		30 00
July, 1886				54 50		54 50
August, 1886		$14 00		15 00		29 00
Total	$936 75	$14 00	$26 00	$608 00	$1,345 00	$2,929 75

SCHEDULE No. IV.

SHOWING NUMBER OF DISPENSARY PATIENTS, NUMBER AND COST OF PRESCRIPTIONS FOR FISCAL YEAR ENDING AUGUST 31, 1886.

MONTHS.	No. Patients Treated.	No. Prescriptions Filled.	Cost of Prescriptions.
September, 1885	102	239	$29 27
October, 1885	81	183	22 40
November, 1885	68	161	19 72
December, 1885	64	180	22 05
January, 1886	82	184	22 54
February, 1886	98	242	29 64
March, 1886	101	227	27 81
April, 1886	76	178	21 60
May, 1886	91	189	23 15
June, 1886	50	121	14 82
July, 1886	113	259	31 73
August, 1886	60	125	15 31
Total	986	2,288	$280 04

SCHEDULE No. V.

SHOWING NUMBER OF PRESCRIPTIONS FILLED IN HOSPITAL DEPARTMENT DURING THE FISCAL YEAR ENDING AUGUST 31, 1886.

MONTHS.	Prescriptions for Liquors.	Prescriptions for Medicines.	Total.
September, 1885	352	834	1,186
October, 1885	432	1,067	1,499
November, 1885	682	1,160	1,842
December, 1885	792	1.113	1,905
January, 1886	1,116	1,454	2,570
February, 1886	993	1,569	2,562
March, 1886	1,155	1,255	2,410
April, 1886	1,109	1,302	2,411
May, 1886	1,003	993	1,996
June, 1886	893	834	1,727
July, 1886	740	727	1,467
August, 1886	542	843	1,385
Total	9,809	13,151	22,960

SCHEDULE No. VI.

SHOWING NUMBER PATIENTS ADMITTED, NUMBER DAYS HOSPITAL RELIEF FURNISHED DURING FISCAL YEAR ENDING AUGUST 31, 1886.

MONTHS.	No. Patients Admitted.	No. Days of Patients.	No. Days of Officers, Employes, and Patients.
September, 1885	213	3,116	4,286
October, 1885	111	4,268	5,508
November, 1885	110	3,801	6,228
December, 1885	123	4,957	6,417
January, 1886	139	5,084	6,345
February, 1886	107	5,606	5,247
March, 1886	114	4,981	4,842
April, 1886	90	4,047	4,615
May, 1886	97	3,602	4,237
June, 1886	84	3,385	5,061
July, 1886	91	3,214	6,093
August, 1886	93	3,011	4,382
Total	1,372	49,072	63,261

EDMUND J. JAMES

SCHEDULE No. VII.

SHOWING DRUGGIST REPORT FOR THE YEAR ENDING AUGUST 31, 1886.

Value of medicine on hand September 1, 1885	$414 10	
Value of liquors on hand September 1, 1885	82 00	
Value of instruments on hand September 1, 1885	891 15	
		$1,387 25
Value of medicine purchased during the year	$1,850 77	
Value of liquors purchased during the year	742 85	
Value of instruments purchased and repaired during the year	67 20	
		2,660 82
Total		$4,048 07
Value of medicine used in Hospital department during the year	$1,606 83	
Value of medicine used in Dispensary department during the year	280 04	
Value of liquors used in Hospital department during the year	795 45	
Cost of wear and repair of instruments during the year	118 65	
		$2,800 97
Value of medicine on hand September 1, 1886	$378 00	
Value of liquors on hand September 1, 1886	29 40	
Value of instruments on hand September 1, 1886	839 70	
		1,247 10
Total		4,048 07
Number of prescriptions filled in Hospital department during the year		13,151
Number of prescriptions filled in Dispensary department during the year		2,288
Total		15,439
Number of prescriptions for liquors during the year		9,809
Average cost of each prescription for medicine		.12¼ cents.
Average cost of each prescription for liquors		.08⅘ cents.

SCHEDULE No. VIII.

SHOWING EXPENSES, RECEIPTS, COST PER DIEM, ETC., FOR THE FISCAL YEAR ENDING AUGUST 31, 1886.

Ordinary or current expenses for the year ending August 31st . . .		$26,409 06
Deduct amount received from pay patients and clinical tickets, etc	$2,929 75	
Deduct cost of treating dispensary patients	280 04	
		3,209 74
Actual cost of maintaining hospital proper		$23,199 27
Ordinary or current expenses for the year ending August 31, 1886 .		$26,409 06
Add expenses for extensions and improvements		1,966 14
Total expenses for hospital for the year		$28,375 20
Deduct receipts from pay patients, clinical tickets, etc		2,929 75
Total		$25,435 45
Number of days of hospital relief furnished patients		49,072
Number of days of officers, employes, and patients		63,261
Actual cost per diem to city for officers, employes, and patients . .		37 cents.
Average number of days each patient remained in hospital . . .		36½
Average daily number of patients in hospital		134½

REPORT

OF THE

HEALTH OFFICER

FOR THE

YEAR ENDING SEPTEMBER 1, 1886.

Health Officer's Report.

To the Honorable Mayor and General Council:

Gentlemen: I have the honor to submit my annual report as Health Officer. It will be seen from the ratio of deaths from zymotic and epidemic form of disease that we have reason to congratulate our city. The proportion of deaths from these causes furnishes data by which we judge of the sanitary condition of a city.

The prime requisites for health are pure air, pure food, and pure water. Our wide streets and the absence of tenement houses give us a free supply of fresh air.

Our water-supply, from the water-works owned by the city, has never been impeached; but the well water, especially from the older part of the city, honey-combed by privy pits, has been considered by some of our most intelligent physicians as a cause of disease, especially of typhoid fever.

While the exact relation of this cause has never been satisfactorily proven, it is no doubt best to regard a water-supply which has such sources of pollution with grave suspicion. The drive wells which are being rapidly substituted for the older form furnish a purer supply. I believe it would be wise legislation to follow the example of some of our sister cities and forbid the digging of privies, which, sooner or later, will pollute the neighboring wells.

To secure the other requisites for the preservation of health, viz: pure food, an ordinance, approved November 14, 1870, was passed by the General Council authorizing the election of two inspectors of beef, cattle, sheep, and hogs, defining the duties and providing for the pay of said officers.

From some reason, unknown to me, these inspectors, whose election was to be held in the month of October annually, have never been elected since my term of office.

I would, therefore, respectfully ask that so important a sanitary measure should no longer be neglected, and venture to hope that in the coming month your honorable body will hold the election authorized by the ordinance.

I would also recommend that suitable measures be taken to provide a hospital for small-pox patients. By isolation, disinfection, and vaccination, we have succeeded in eradicating this disease, but it is liable to recur this winter, and should it do so will find us unprepared to meet it.

Respectfully submitted,

W. H. GALT, M. D.,
Health Officer.

ANNUAL STATEMENT OF MORTALITY OF CITY OF LOUISVILLE.

FROM SEPTEMBER 1, 1885, TO SEPTEMBER 1, 1886.

CAUSES OF DEATH.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Abortion											1		1
Abscess of brain					1					2			3
Abscess of lumbar													
Abscess of psoas													
Abscess of liver	2	1	1				1	1	3				9
Abscess of lungs							1			2	1		4
Abscess, all others		2										1	3
Angina pectoris						1	3		1			1	6
Addison's disease								1					1
Aneurism				1			1		1				3
Apoplexy		1	2	5	3	6	5	6	2	11	1		42
Ascites	4	3	3	3	1	4		2	2	2	3	4	31
Asphyxia	1												1
Asthenia		1	1			1				1	1		5
Asthma	1	1	1	1	2	1			1		1		9
Atelectasis pulmonum													
Bowels, disease of													
Bowels, inflammation of				1		1							2
Bowels, intussusception of					4	1							5
Brain, compression of												2	2
Brain, concussion of													
Brain, congestion of	1		2	2				2	2	5	6		20
Bronchitis	2	5	4	5	8	9	10	2	1	8	3	1	58
Calculus nephritic													
Carbuncle													

Cancer		2	1	1	3			3	5				15
Cancer of breast	1	3	2							2	1		9
Cancer of bowels											1		1
Cancer of liver						1		2	1			1	5
Cancer of womb		2	3	1	1	1	1		2	1	1		13
Cancer of stomach	1	2	1	2	1	1	1		1	3		2	15
Cancer, all others	1			1	1		2	1	2		3	3	14
Catarrh													
Cellulitis						1							1
Cerebritis	3	3	2		1	1	4	3	2	2	1	2	24
Child-birth													
Cholera infantum	7	3	1						1	9	18	16	55
Cholera morbus									1	1		2	4
Colic													
Consumption	22	37	40	46	29	40	52	32	40	39	35	39	451
Convulsions	10	9	11	5	6	14	9	5	4	11	11	12	107
Croup	5	18	15	4		2	4	2				4	54
Cyanosis							1						1
Cystitis					2			1				1	4
Debility, general													
Diarrhœa, acute	2				1	1	1			1		2	8
Diarrhœa, chronic		1		2		1	1			1		1	7
Diphtheria	8	10	13	6	2	5	1		1			4	51
Dyspepsia													
Diabetes		1		1			1						3
Dysentery, acute	11	7	2					1		3	3	15	42
Dysentery, chronic	1		2										3
Embolism													
Empyema							1					1	2
Endocarditis													
Enteritis	4	1	1	1	2		2		1	3	1	1	17
Entero-colitis	4	7	1			1			3	7	12	4	39
Epilepsy				2	1		1		1	1			6
Carried Forward	91	120	109	90	69	93	103	64	78	115	94	119	1,146

MORTUARY REPORT.—Continued.

CAUSES OF DEATH.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Brought Forward	91	120	109	90	69	93	103	64	78	115	94	119	1,146
Erysipelas				1		3	2						6
Exhaustion								1					1
Exposure and neglect					1	1							2
Fever, pernicious				2			1	1				2	6
Fever, remittent	3	3						2			1	2	11
Fever, typhoid	13	12	12	5		4	15	10	7	6	12	21	117
Fever, puerperal	2	1			6	1	2	2	5		1	2	22
Fever, scarlet	1	2	1	1	1	1		2					9
Fever, all others		1	3										4
Gangrene													
Gastritis	1	3	1	1		1			2		2		11
Gallstone, encysted			1							1			2
Goitre													
Goitre exopthalmic													
Heart disease, organic	6	14	19	12	17	12	17	5	10	11	9	9	141
Hemiplegia													
Halmatocele								1					1
Hemorrhage		1	2	1	1	2							7
Hemorrhage of bowels								2					2
Hemorrhage of lungs	3	1	2		1		1		1	2		1	12
Hemorrhage of post-partum													
Hemorrhage of umbilicus											1	1	2
Hemorrhage of womb									1				1
Hemorrhage, all others	1												1
Hernia	1					1	1			1			4

Hip-joint disease	. . .	. .	1	. . .	. . .	. . .	. . .	1	. . .	. . .	1	. . .	3
Hydrocele	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Hydrocephalus	. . .	1	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	3
Inanition	12	12	5	6	6	9	14	2	5	15	15	14	115
Imperforate rectum	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	1
Intemperance	. . .	2	. . .	. . .	. . .	1	1	. . .	. . .	. . .	1	. . .	5
Insanity	. . .	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	1
Jaundice	. . .	. . .	. . .	1	1	. . .	. . .	. . .	1	. . .	. . .	. . .	3
Kidney, Bright's disease of	3	2	8	7	3	4	9	3	2	4	. . .	4	49
Kidney, inflammation of	. . .	1	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	2
Laryngitis	1	. . .	. . .	. . .	. . .	1	2	1	. . .	. . .	. . .	. . .	5
Leuco cythemia	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1
Liver, cirrhosis of	. . .	2	2	2	. . .	3	2	4	1	1	1	1	19
Liver, inflammation of	1	1	1	1	1	3	2	1	3	1	1	1	17
Lung, congestion of	2	2	3	2	4	5	2	1	3	. . .	1	1	26
Loco-motor ataxia	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	2
Marasmus	7	4	5	7	8	2	5	10	7	6	11	8	82
Measles	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	2	. . .	. . .	. . .	3
Meningitis, cerebral	4	5	. . .	5	3	5	7	5	3	11	9	8	65
Meningitis, cerebro-spinal	1	5	. . .	. . .	2	6	2	8	2	4	3	4	37
Meningitis, tubercular	. . .	1	1	4	1	6	7	1	4	5	1	3	34
Metritis	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Neurasthenia	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	1	. . .	2
Necrosis of jaw	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1
Old age	5	7	17	8	24	17	22	11	10	6	10	11	148
Paralysis	2	6	3	2	2	8	5	2	3	. .	2	1	36
Pericarditis	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Pott's disease	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .	. . .	1
Perinephritis	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Peritonitis	2	5	2	1	5	1	7	4	1	1	5	2	36
Pneumonia	4	6	11	15	21	26	27	26	11	12	4	11	174
Purpura halmorrhagica	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Carried Forward	167	220	211	174	178	216	257	172	164	202	186	228	2,379

MORTUARY REPORT.—Continued.

CAUSES OF DEATH.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Brought Forward	167	220	211	174	178	216	257	172	164	202	186	228	2,379
Pleurisy								4					4
Pyemia						1			1				2
Rheumatism		1	1		2	2			2				8
Scrofula		2	2	1			2	1		1	1	1	11
Septicemia	2	2		1				1	1	1		2	10
Softening of brain	1	2		4		1		1	1	1	1	2	14
Spinal disease					2			1			1		4
Splenitis				1									1
Suffocation													
Sunstroke											1	1	2
Stricture of œsophagus				1					1			1	3
Syphilis						1		1				1	3
Tabes mesenterica	1	2				1			1	4	1		10
Tonsillitis		1											1
Tumor, ovarian											1		1
Tumor, all others		2	1	1					1	3		1	9
Tuberculosis	2	8	3	2	4			4	4		3	9	39
Trismus nascentium	1	5	2	1	1	2	1	1	1		1	3	19
Teething	3											1	4
Tetanus	1	1			1		1	1			1	1	7
Ulceration of bowels		1									1	1	3
Ulceration, all other				1			1						2
Unknown	5	2	2	4	2	2			2	3	1	6	29
Uremia			1					3	1	2			7

Violence													
Volorilus			1								1	2	
Whooping-cough		1	1		1	1	2	1	2	6	10	2	27
Wound		1											1
Accident, railroad		2		1		1				2	2	3	11
Accident, all other	5	2	3	2	8	1	2		4	5	1	2	35
Burns and scalds			1			1				1	3		6
Drowning			2	1		1	1	2	2	2	3	5	19
Homicide	4		2	3	3	2					3	3	20
Suicide	2	1	1	2	1	1	2	1			3	1	15
Poisoning			1		2	1			1				5
Small-pox													
Total	194	256	236	200	204	240	269	194	189	231	233	276	2,722

SEX.

Male	91	124	126	96	96	121	144	104	92	133	124	141	1,392
Female	103	132	110	104	108	119	125	90	97	98	109	135	1,330
Total	194	256	236	200	204	240	269	194	189	231	233	276	2,722

COLOR.

White	148	192	179	151	137	175	190	151	145	164	185	212	2,029
Black	46	64	57	49	67	65	79	43	44	67	48	64	693
Total	194	256	236	200	204	240	269	194	189	231	233	276	2,722

SOCIAL RELATIONS.

SOCIAL RELATIONS.	September	October	November	December	January	February	March	April	May	June	July	August	Total
Single	125	157	133	99	100	147	145	121	99	161	162	174	1,623
Married	68	96	101	98	97	89	116	69	85	60	64	89	1,032
Not stated	1	3	2	3	7	4	8	4	5	10	7	13	67
Total	194	256	236	200	204	240	260	194	189	231	233	276	2,722

NATIVITY.

Louisville	127	157	129	98	108	148	137	106	89	146	155	168	1,568
Other parts of United States	40	56	57	55	40	41	61	53	58	49	50	57	617
Ireland	6	6	10	10	16	11	21	4	5	15	7	9	120
Germany	16	27	34	32	25	28	37	20	31	14	19	34	317
England	1	3	. . .	. . .	3	. . .	3	1	2	2	. . .	1	16
France	2	. . .	. . .	. . .	1	1	2	3	. . .	. . .	1	1	11
Other foreign countries	2	. . .	1	1	1	1	2	. . .	2	1	. . .	. . .	11
Not stated	. . .	7	5	4	10	10	6	7	2	4	1	6	62
Total	194	256	236	200	204	240	269	194	189	231	233	276	2,722

AGES.

Under 1 year	45	48	34	32	39	51	42	36	29	60	80	70	566
From 1 to 2 years	19	7	11	15	6	17	11	8	8	18	19	29	168
From 2 to 5 years	14	31	23	11	9	16	83	18	10	18	12	19	194
From 5 to 10 years	7	17	8	6	6	10	9	5	4	10	8	10	100
From 10 to 20 years	11	19	18	5	16	10	13	18	16	23	14	15	178
From 20 to 30 years	25	31	29	22	14	24	31	24	27	21	28	40	316
From 30 to 40 years	21	28	20	15	15	23	27	15	26	14	13	23	240
From 40 to 50 years	13	12	26	23	19	17	27	19	13	5	19	17	210
From 50 to 60 years	11	19	20	20	24	18	30	10	18	14	9	15	208
From 60 to 70 years	12	16	19	23	25	22	24	15	22	26	10	20	234
From 70 to 80 years	11	13	16	14	19	11	17	13	12	7	11	10	154
From 80 to 90 years	1	4	6	5	6	9	12	8	3	5	4	. . .	63
From 90 to 100 years	. . .	1	3	. . .	3	3	1	. . .	. . .	1	. . .	. . .	12
Over 100 years	. . .	. . .	1	. . .	. . .	2	. . .	. . .	. . .	. . .	. . .	. . .	3
Not stated	4	10	2	9	3	7	12	5	1	9	6	8	76
Total	194	256	236	200	204	240	269	194	189	231	233	276	2,722

WARDS.

WARDS.	September	October	November	December	January	February	March	April	May	June	July	August	Total
First	21	27	18	25	9	15	22	22	19	31	19	19	247
Second	16	15	17	8	18	17	25	12	11	19	21	21	200
Third	23	23	20	14	13	23	25	16	15	16	24	34	246
Fourth	10	23	18	16	17	20	22	19	11	19	14	27	216
Fifth	10	21	17	11	17	26	8	12	15	16	15	14	182
Sixth	7	8	11	10	12	8	21	12	9	8	13	5	124
Seventh	7	4	12	6	6	9	20	12	15	5	13	12	121
Eighth	12	18	11	18	16	15	16	18	6	7	5	13	155
Ninth	5	15	14	7	16	8	20	3	14	9	14	18	143
Tenth	14	14	20	18	19	18	32	10	14	29	21	29	238
Eleventh	27	34	27	30	29	33	17	22	25	33	34	35	346
Twelfth	17	39	27	9	11	26	12	14	12	11	14	22	214
City Hospital	12	10	9	7	9	9	10	9	9	15	5	15	119
Eruptive Hospital	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Other institutions	3	2	5	11	11	4	11	10	7	7	19	7	97
Not stated	10	3	10	10	1	9	8	3	7	6	2	5	74
Total	194	256	236	200	204	240	269	194	189	231	233	276	2,722

NUMBER OF PAUPER COFFINS, EASTERN DISTRICT.

Adults	14	4	7	7	12	15	20	10	10	11	10	9	129
Children	9	2	6	13	16	10	19	5	11	7	20	10	128
Total	23	6	13	20	28	25	39	15	21	18	30	19	257
Cash	$41 50	$11 00	$23 00	$33 50	$48 00	$38 75	$57 05	$24 25	$29 95	$28 10	$38 50	$27 05	400 65

NUMBER OF PAUPER COFFINS, WESTERN DISTRICT.

Adults	3	2	8	7	8	3	1	1	5	3	5	1	47
Children	3	2	4	5	5	10	2	5	6	2	5	5	54
Total	6	4	12	12	13	13	3	6	11	5	10	6	101
Cash	$10 50	$7 00	$22 00	$21 50	$23 50	$7 70	$3 10	$5 50	$11 50	$6 10	$11 50	$5 50	135 40

REPORT

OF THE

LOUISVILLE ALMS HOUSE

FOR THE

YEAR ENDING AUGUST 31, 1886.

Superintendent's Report.

Louisvillle, Ky., September 1, 1886.

To the Mayor and Board of Commissioners of Public Charities:

Gentlemen: I herewith submit my annual report of the City Alms House for the year ending August 31, 1886, to which are appended tabular statements showing in detail the workings of the institution.

The gross expenses for the year were $16,762.44, but deducting $1,108.66, the amount of sales, also $132.00 from city for burying city paupers, $200.00 due from city for burying paupers, and due from the State $820.74 for keeping lunatics and idiots, we make the net and actual expenses $14,501.04.

The average net expense per diem for each person is 14.87 cents. The average daily attendance for each person during the year is 268.44.

I. L. HYATT,
Superintendent.

OFFICERS' AND EMPLOYES' DEPARTMENT.

Six office chairs, $1.00 each	$6 00
One rocking chair	3 00
Four clocks, $2.00 each	8 00
Two sofa lounges, $7.50 each	15 00
Four carpets, $10.00 each	40 00
Twenty window shades, 10 cents each	2 00
Three bedsteads, $3.00 each	9 00
Five single beds, $1.00 each	5 00
One spring mattress	6 00
One spring bottom	3 00
Two double mattresses	5 00
Three marble-top washstands	15 00
Two wardrobes	15 00
Three bureaus	25 50
Eight parlor chairs	13 00
Two brussels carpets	20 00
One willow basket	1 50
Twelve pair blankets	15 00
Seven pillows	7 00
Two pair lace curtains	6 00
Six coal buckets	5 00
Twenty-eight sheets	7 00
Twenty-five pillow slips	3 75
Seven spreads	3 50
Forty-four towels	4 40
Ten table cloths	10 00
Thirty-three napkins	3 30
Six bolster shams	1 20
Thirty-nine chairs	19 50
One rocker	50
One extension table	5 00
One walnut table	3 00
One refrigerator	15 00
One sideboard	10 00
Nineteen tumblers	95
Two butter dishes	10
Two butter knives	10
Four dozen plates	2 00
Sixteen tea cups	80
Twenty-two tea saucers	1 10
Two sugar bowls	10
Six bowls	60
Eight pitchers	2 00
Two cream pitchers	40
One dozen fruit saucers	60
One carving knife and fork	1 00
Carried forward	$320 90

Brought forward	$320 90	
One butcher knife and fork	75	
Two pickle dishes	20	
One molasses stand	10	
Two lamps	1 00	
Six single mattresses	5 00	
Two tin molasses stands	30	
Fifteen plated forks	1 50	
Thirteen knives	1 30	
Eleven tablespoons	1 50	
Fourteen teaspoons	75	
Twelve napkin rings	1 00	
Three waiters	60	
Four wall lamps	1 00	
Two stand lamps	3 00	
Five stand lamps	1 25	
Two bread cans	20	
Two dish-pans	1 50	
One safe	50	
One table	1 00	
One table	50	
Eight soup plates	80	
Two bells	3 00	
One pitcher	25	
Two wash bowls	1 00	
One towel rack	1 50	
Three cuspadores	30	
One LeGrand clock	190 00	
		$549 70

PRIVATE KITCHEN.

Four tables	2 00	
Five chairs	1 25	
One broom	5	
One mop	10	
Two benches	50	
Two safes	2 00	
Three pickle barrels	1 50	
Fifteen iron buckets	4 50	
Four buckets	40	
Three lamps	1 00	
Three dish-pans	1 50	
Nine stone jars	45	
One ice-cream freezer	3 00	
Four bowls	20	
Six large meat dishes	3 00	
Six small meat dishes	1 50	
Seven vegetable dishes	70	
Carried forward	$23 65	$549 70

Brought forward	$23 65	$549 70
Four knives and forks	40	
Six iron spoons	30	
Four plates	20	
One range and utensils	100 00	
		$124 55

GENERAL HOUSEHOLD.

Thirty iron beds	6 00	
Three hundred and eighty-seven wood beds	96 75	
Three hundred and fifteen mattresses	236 25	
Three hundred and forty-five pillows	34 50	
Four hundred and two pillow slips	32 16	
Four hundred and ninety-six sheets	124 00	
Forty-seven single blankets	27 75	
Four hundred and fifty-two double blankets	565 00	
Three hundred and eleven chairs	124 40	
Two hundred and ninety-nine buckets	14 95	
Sixty-four mops	6 40	
Twenty-two stand tables	22 00	
One hundred and eleven brooms	5 55	
Thirty-eight wash-basins	3 80	
Ten spring bottoms	5 00	
One hundred and fifty knives	7 50	
One hundred and forty-eight forks	7 40	
One hundred and fifty-four spoons	7 70	
Twenty gum blankets	10 00	
Nine dust pans	45	
Forty-three tin cups	2 15	
Twelve plates	60	
Three benches	1 50	
Two feather-beds	10 00	
Two ceiling brushes	2 00	
		1,357 81

PUBLIC KITCHEN.

One ice-box	15 00	
Four benches	2 00	
Three tables	3 00	
Two safes	2 00	
One platform scales	10 00	
Five chairs	1 25	
Six bowls	30	
Six plates	30	
Three vegetable dishes	60	
Six stone jars	30	
One wash-basin	25	
Two tin buckets	1 00	
One wood box	50	
Carried forward	$36 50	$2,032 06

Brought forward	$36 50	$2,032 06
Nine buckets	45	
One lamp	50	
One coffee-mill	1 00	
One spice-mill	25	
One mop	5	
Two brooms	10	
One range and utensils	100 00	
		138 85

PUBLIC DINING-ROOM.

Seventeen tables	50 00	
Twenty-four benches	12 00	
One bread tray	50	
Eighteen buckets	90	
Eight brooms	40	
Four scrub brushes	40	
Four mops	40	
Two waiters	1 00	
Two bracket lamps	1 00	
One tub	50	
Ninety-three plates	6 65	
Eighty-eight bowls	7 50	
One bread knife	50	
Three ladles	75	
Six tin cups	30	
One ceiling brush	50	
		81 30

STOCK.

Seven brood sows	70 00	
Thirty-four pigs	51 00	
Two boars	15 00	
Two horses	100 00	
Two mules	300 00	
Eight milch cows	280 00	
		816 00

MISCELLANEOUS.

Groceries in store-room	127 41	
Drugs and fixtures in drug-room	311 64	
Boilers, pumps, mills, and pipes in engineer's department	4,000 00	
In laundry department	500 00	
In bake shop	60 00	
In carpenter's shop	100 00	
Farm utensils :	350 00	
		5,449 05
		$8,517 26

TABLE No. I.

SHOWING THE NUMBER ADMITTED, DISCHARGED, DIED, AND REMAINING, AND THE TOTAL EXPENSES FOR THE YEAR ENDING AUGUST 31, 1886.

MONTHS.	Adults admitted	Adults discharged	Children admitted	Children discharged	Whole number admitted	Whole number discharged	Adults died	Children died	Whole number died	Adults remaining	Children remaining	Whole number remaining	Officers and employes	Family	Total number of days	MONTHLY EXPENSES.
September, 1885	14	6	1	2	15	8	5	0	5	237	4	241	12	1	7,779	$1,162 15
October, 1885	21	7	2	0	23	7	3	1	4	248	5	253	12	1	8,338	2,187 92
November, 1885	26	9	0	1	26	10	3	0	3	262	4	266	12	1	8,639	2,011 66
December, 1885	18	14	3	2	21	16	5	0	5	261	5	266	12	1	9,119	1,534 36
January, 1886	18	7	0	0	18	7	4	0	4	268	5	273	13	1	8,877	1,235 71
February, 1886	15	11	1	1	16	12	3	0	3	269	5	274	13	1	8,158	1,240 65
March, 1886	12	20	0	1	13	21	1	0	1	260	4	264	13	1	8,816	1,476 43
April, 1886	13	36	0	2	13	38	2	0	2	235	2	237	13	1	8,215	1,189 58
May, 1886	14	14	0	0	14	14	2	0	2	233	2	235	13	1	7,771	1,159 80
June, 1886	8	10	1	1	9	11	5	0	5	226	2	228	13	1	7,384	1,205 65
July, 1886	19	18	0	0	19	18	3	0	3	224	2	226	13	1	7,500	1,296 12
August, 1886	10	10	0	2	10	12	3	0	3	221	0	221	13	1	7,386	1,062 41
Total	188	162	8	12	196	174	39	1	40	...	..	...	...	..	97,982	$16,762 44

Gross expenses		$16,762 44
By keeping lunatics and idiots due from State	$820 74	
By burying paupers from city due from the city	200 00	
By cash for farm produce, etc.	1,108 66	
By cash from city for burying paupers from city	132 00	
	—	2,261 40
Net expense		$14,501 04

Average net cost per diem for each person for the year, 14.87c; average daily attendance for each person for the year, 268.44c.

TABLE No. II.

SHOWING NATIVITY OF INMATES REMAINING AUGUST 31, 1886.

America	59
Ireland	82
Germany	29
England	5
France	2
Poland	2
Switzerland	1
Negro	41
Total	221

TABLE No. III.

SHOWING AGES OF INMATES REMAINING AUGUST 31, 1886.

Number of children from 10 to 20 years	6
Number of adults from 20 to 30 years	9
Number of adults from 30 to 40 years	13
Number of adults from 40 to 50 years	23
Number of adults from 50 to 60 years	34
Number of adults from 60 to 70 years	80
Number of adults from 70 to 80 years	37
Number of adults from 80 to 90 years	16
Number of adults 101 years	1
Number of adults 102 years	1
Number of adults 104 years	1
Total	221

TABLE No. IV.

SHOWING THE CURRENT EXPENSES FOR THE YEAR ENDING AUGUST 31, 1886.

MONTHS.	Salaries and Wages.	Drugs, Liquors, etc.	Diet, Groceries, etc.	Merchandise, Repairs, etc.	Total Expenditures.
September, 1885.	$354 50	$54 15	$572 96	$180 54	$1,162 15
October, 1885 . .	354 50	96 83	598 92	1,137 67	2,187 92
November, 1885 .	354 50	52 45	639 54	965 17	2,011 66
December, 1885 .	354 50	116 40	766 09	297 67	1,534 36
January, 1886 . .	362 50	55 53	675 88	141 80	1,235 71
February, 1886 .	369 50	39 33	554 29	277 53	1,240 65
March, 1886 . .	369 50	66 93	639 44	403 56	1,476 43
April, 1886 . . .	366 00	65 89	528 64	229 05	1,189 58
May, 1886 . . .	370 70	67 71	509 33	212 06	1,159 80
June, 1886 . . .	372 50	55 60	513 36	264 19	1,205 65
July, 1886 . . .	370 00	80 29	649 81	196 02	1,296 12
August, 1886 . .	372 50	55 22	492 97	141 72	1,062 41
Total	$4,371 20	$806 33	$7,138 23	$4,446 68	$16,762 44

TABLE No. V.

SHOWING PRODUCT OF FARM SOLD DURING THE YEAR ENDING AUGUST 31, 1886.

September	
October	
November	$300 00
December	90 00
January	50 00
February	59 35
March	53 61
April	14 00
May (including burial of paupers)	179 50
June	21 60
July	107 20
August	365 90
Total	$1,241 16

TABLE No. VI.

SHOWING PRODUCE RAISED ON FARM IN 1886.

Twelve hundred bushels corn, at 40 cents	$480 00
Eight tons oats, at $8.00	64 00
Thirty-three tons hay, at $9.00	297 00
Twenty tons clover hay, at $7.00	140 00
Six tons millet, at $6.00	36 00
Forty barrels onions, at $1.10	44 00
Twenty-two barrels onion sets, at $6.00	132 00
Four hundred barrels potatoes, at $1.10	440 00
Two hundred barrels cabbage, at 75 cents	150 00
Fifty barrels sweet potatoes, at $1.25	72 50
Forty barrels snap beans, at $1.10	44 00
Forty gallons butter beans, at 40 cents	16 00
One hundred tubs tomatoes, at 30 cents	30 00
Thirty tubs pickles, at $1.00	30 00
Eighty barrels turnips, at 40 cents	32 00
Asparagus	15 00
Rhubarb	5 00
Twenty barrels peas, at $2.25	45 00
Fifty barrels roasting ears, at $1.50	75 00
One patch red peppers	3 00
Beets	2 00
Carrots	2 00
Ten barrels lettuce, at 40 cents	4 00
Ten barrels onion seeds, at $1.00	10 00
Three barrels cabbage seed, at $1.50	4 50
One hundred barrels apples, at $1.00	100 00
Horseradish	2 00
One patch rye	20 00
Five hundred pounds butter, at 25 cents	125 00
Four thousand gallons milk, 15 cents	600 00
Fourteen dozen chickens, at $2.50	35 00
One hundred and fifty-two dozen eggs, at 10 cents	15 20
Total	$3,070 20

PHYSICIAN'S REPORT.

LOUISVILLE, KY., September 1, 1886.

To the Honorable Board of Charity Commissioners:

GENTLEMEN: I respectfully submit my annual report for the year ending August 31, 1886. Forty deaths occurred in the Alms House during the year:

NAMES.	Date.	Age.	Nativity.	Cause of Death.
Nellie Martin, colored	September 3, 1885.	50	America	Softening of brain.
Mary Hale, white	September 11, 1885.	46	Ireland	Cancer of womb.
Dan McCune, white	September 11, 1885.	60	Ireland	Consumption.
Joseph Hoover, white	September 22, 1885.	65	America	Old age.
James Flora, white	September 25, 1885.	54	England	Consumption.
William Gilmore, white	October 12, 1885.	43	America	Paralysis.
Otha Moore, colored	October 15, 1885.	65	America	Old age.
Freddie Weir, white	October 16, 1885.	14 mo's.	America	Enterocolitis.
Pauline Haggins, col'd	October 25, 1885.	90	America	Paralysis.
Jim Buck, colored	November 6, 1885.	107	America	Old age.
William Culver, white	November 22, 1885.	45	America	Paralysis.
Nathan Henson, colored	November 27, 1885.	28	America	Paralysis.
Jim Berdim, colored	December 4, 1885.	70	America	Old age.
Sarah Shirley, white	December 18, 1885.	78	America	Old age.
Ellen Malia, white	December 23, 1885.	75	Ireland	Consumption.
Hannah Cobb, colored	December 30, 1885.	60	America	Paralysis.
William Ennis, colored	December 30, 1885.	102	America	Old age.
Philip Haub, white	January 6, 1886.	65	Germany	Consumption.
Clarence McGruder, co'd	January 8, 1886.	24	America	Consumption.
Maggie Hines, white	January 11, 1886.	66	Ireland	Old age.
Annie Reed, colored	January 19, 1886.	45	America	Paralysis.
William Mitchell, white	February 7, 1886.	67	America	General debility.
Erwin Dickens, white	February 11, 1886.	53	America	Heart disease.
James Pryor, colored	February 15, 1886.	56	America	Paralysis.
Joseph Evans, white	March 2, 1886.	50	America	Pleurisy.
Keziah Williams, col'd	April 4, 1886	101	America	Old age.
Delia Duncan, white	April 23, 1886.	35	America	Consumption.
James Lee, white	May 8, 1886.	67	America	Heart disease.
Pat Dooley, white	May 21, 1886.	60	Ireland	Heart disease.
Mary Edwards, colored	June 5, 1886.	86	America	Old age.
D. McDermott, white	June 8, 1886.	65	Ireland	Paralysis.
Rebecca Duvall, white	June 10, 1886.	72	America	Old age.
Mary Machen, white	June 10, 1886.	86	Germany	Old age.
Andrew Jackson, col'd	June 11, 1886.	64	America	Paralysis.
Stephen Beeler, col'd	July 9, 1886.	90	America	Old age.
James Panister, white	July 10, 1886.	85	England	Old age.
Fannie Thompson, col'd	July 30, 1886.	104	America	Old age.
William Cody, white	August 8, 1886.	70	Ireland	Degeneration arteries.
Pat Grimes, white	August 12, 1886.	84	Ireland	Paralysis.
John Isinger, white	August 27, 1886.	73	Germany	Accidental fall.

C. E. MERIWETHER, M. D.,

Physician Western District.

REPORT

OF THE

INDUSTRIAL SCHOOL OF REFORM

FOR THE

YEAR ENDING AUGUST 31, 1886.

OFFICERS OF THE INSTITUTION.

BOARD OF MANAGERS.

D. SPALDING,
T. P. JACOB,
JOHN HELMUS,
R. C. DAVIS,
H. H. LITTELL,
JOHN BARRET,
HARRY STUCKY,
D. P. FAULDS,
MAJOR JOHN B. CASTLEMAN.

PRESIDENT.

D. P. FAULDS.

SECRETARY.

W. P. McDOWELL.

SUPERINTENDENT.

P. CALDWELL.

PHYSICIAN.

J. GOODMAN.

PRESIDENT'S REPORT.

To the General Assembly of the Commonwealth of Kentucky, and the Mayor and General Council of the City of Louisville:

I have the honor of submitting the Twenty-first Annual Report of the transactions of the Louisville Industrial School of Reform for the fiscal year ending August 31, 1886.

It is still performing its mission, and doing its work of reformation in the best way known to its Board of Directors, its Superintendent, and those who assist them in their great work.

With the new buildings we will have more educational facilities and workshop room, and hope it will enable us to do more for the benefit of the institution, and give such mechanical knowledge to its inmates as will enable them to elevate themselves after their discharge.

I must ask of you gentlemen your continued support and good cheer, as you have heretofore given, and feel sure that under its present management it will progress.

D. P. FAULDS, *President.*

SUPERINTENDENT'S REPORT.

To the Board of Managers of the Louisville Industrial School of Reform:

GENTLEMEN: I respectfully submit to you the Twenty-first Annual Report of the Louisville Industrial School of Reform, for the year ending August 31, 1886:

NUMBER, ETC.	Boys.	Girls.	Colored Boys.
Whole number admitted since the opening of the School	1,374	247	271
Number in the School, August 31, 1885	124	46	72
Admitted during the year, from August 31, 1885, to August 31, 1886	51	17	33
Number in the School during the year	175	63	105
Honorably released and homes furnished	10	7	10
Returned to parents as reformed	9	. . .	4
Returned to parents at their request	11	12	3
Returned to parents to leave the city	3	1	4
Granted ticket of leave	7	. . .	1
Commuted by Judge of City Court	5	. . .	1
Time expired U. S. inmates	3	2	. . .
Escaped	2	. . .	3
Remaining in the School, August 31, 1886	125	41	79

There were received during the different months:

MONTHS.	Boys.	Girls.	Colored Boys.
September	3	. .	4
October	7	2	4
November	6	3	3
December	2	2	2
January	5	. . .	5
February	7	1	1
March	4	. . .	5
April	4	. . .	2
May	5	4	2
June	3	5	. . .
July	1	. . .	2
August	4	. . .	3
Total	51	17	33

Their ages were:

AGES.	Boys.	Girls.	Colored Boys.
Seven years of age	2	3	1
Eight years of age	4	. . .	. . .
Nine years of age	2	3	2
Ten years of age	3	. . .	1
Eleven years of age	3	4	2
Twelve years of age	5	2	6
Thirteen years of age	7	1	4
Fourteen years of age	10	. . .	9
Fifteen years of age	11	4	5
Sixteen years of age	4	. . .	3
Total	51	17	33

Their parentage is:

PARENTAGE.	Boys.	Girls.	Colored Boys.
Italian	3	. . .	. . .
French	2	1	. . .
Irish	11	2	. . .
Scotch	4	1	. . .
English	3	. . .	. . .
German	12	4	. . .
American	16	9	33
Total	51	17	33

The nativity of those received is:

NATIVITY.	Boys.	Girls.	Colored Boys.
North Carolina	1	. . .	. . .
Ohio	1	. . .	. . .
Alabama	1	. . .	. . .
Kentucky	34	15	27
Indiana	4	. .	2
Tennessee	4	. . .	2
Louisiana	. . .	. . .	1
Italy	2	. . .	. . .
Illinois	. . .	. . .	1
Florida	1	. . .	. . .
England	1	. . .	. . .
Connecticut	1	1	. . .
Mississippi	1	. . .	. . .
France	. . .	1	. . .
Total	51	17	33

Their occupations were:

OCCUPATIONS.	Boys.	Girls.	Colored Boys.
Clerk	1		
Cotton factory	2		
Driving wagon	3		4
Painter	2		
Flying dutchman	1		
Butcher	1		
Common street-walkers	1		
Newsboys	1		2
Stemming tobacco	7		5
Worked on farm	2		2
Attending school	19	1	4
Had no occupation	4	12	7
House-work		4	4
Carpenter	1		
Jockey			3
Worked in brickyard			2
Woolen mills	1		
Bootblack	2		
Worked in foundry	3		
Total	51	17	33

Those received confessed to:

CAUSE OF INCARCERATION.	Boys.	Girls.	Colored Boys.
Receiving stolen property	1		
Robbing U. S. mails	1		
Vagrancy	3		
Homeless	3	11	3
Incorrigible	30	4	8
Grand larceny	1		2
Petit larceny	2		6
Suspected felon			1
Disorderly conduct	7	2	8
Robbery	2		1
Horse-stealing	1		
Malicious cutting			1
Malicious shooting			1
Rape			2
Total	51	17	33

The following table shows the social condition:

SOCIAL CONDITION.	Boys.	Girls.	Colored Boys.
Father in state prison			1
Mother insane	2		
Lost both parents	7	3	5
Lost their father	20		10
Lost their mother	12	3	11
Had stepfather	7	1	6
Had stepmother	4	1	5
Had an intemperate father	21	6	14
Had an intemperate mother	5		7
Parents quarreled	17	5	9
Had previously stolen	8		7
Used tobacco	30	1	15
Had moral and religious parents	7		4
Never attended school	2	4	11

WORK DEPARTMENTS.

The following tables will show the average number of boys and girls employed in the different departments during the year, also the result of their labor:

DEPARTMENTS.	Boys.	Girls.	Colored Boys.
Cane-seating shop	64		44
Shoe-shop	14		
Garden and farm			14
Engine-room	2		
Green-house			2
Dormitories	20	3	6
Dining-halls	6	2	3
Bath-rooms and halls	4	2	2
Laundry	5	2	1
Kitchen	4	2	2
General work	3	1	2
Sewing-room		34	

BOYS' LAUNDRY.

	Washed.	Ironed.
Pillow-slips	10,139	10,139
Sheets	9,865	9,865
Shirts	11,732	11,732
Spreads	638	638
Towels	4,528	4,528

BOYS' LAUNDRY.—Continued.	Washed.	Ironed.
Handkerchiefs	987	987
Tablecloths	287	287
Aprons	727	727
Neckties	1,313	1,313
Coats	786	. . .
Pants	2,614	. . .
Socks	5,319	. . .
Vests	220	. . .
Bed-ticks	109	. . .
Blankets	52	. . .
Bibs	484	484

GIRLS' LAUNDRY.	Washed.	Ironed.
Pillow-slips	1,747	1,747
Sheets	1,754	1,754
Undergarments	6,034	6,034
Dresses	1,438	1,438
Towels	1,221	1,221
Tablecloths	62	62
Handkerchiefs	1,189	1,189
Collars	736	736
Aprons	1,034	1,034
Stockings	1,142	1,142
Spreads	185	185
Bed-ticks	38	38
Bonnets	6	6
Blankets	24	. . .

GIRLS' SEWING ROOM.	Made.	Repaired.
Shirts	442	2,408
Socks, pairs	485	4,329
Stockings, pairs	24	212
Undergarments	122	789
Sheets	159	315
Dresses	163	246
Pillow-slips	339	319
Ticks	19	38
Pants	486	1,764
Coats	310	374
Aprons	105	15
Towels	150	87
Vests	106	98
Spreads	. . .	34
Suspenders	238	. . .
Skirts	18	42
Blankets	. . .	47
Caps	63	24
Neckties	219	. . .

SHOE SHOP.

Women's shoes made	29
Misses' shoes made	87
Boys' brogans made	232
Boys' brogans mended	496
Misses' shoes mended	18

CANE-SEATING SHOP.

Brace-arm-chairs	9,357
Plain seats	8,463
Grecian chairs	2,008
Rocking chairs	1,425
Arm, English seats	198
Childs' chairs	476
Dining chairs	98
Cottage-chairs	324
Stools	57
Double-bottom chairs	2,128
Double-bottom rocker seats	1,582

FINANCES.

INVENTORY OF FURNITURE, GOODS, PROVISIONS, AND LIVE STOCK IN POSSESSION OF THE INSTITUTION AUGUST 31, 1886.

Reception rooms and front halls	$160 00
Officers' department, bedding and furniture	1,500 00
Dining-hall furniture	270 00
Laundry furniture including machinery	150 00
Shoe-shop tools and fixtures	130 00
No. 1 dormitory, bedding and furniture	220 00
No. 2 dormitory, bedding and furniture	270 00
No. 3 dormitory, bedding and furniture	250 00
Colored dormitory	240 00
Female dormitory	340 00
Warming rooms	150 00
School rooms	500 00
Kitchen furniture	150 00
Clothing rooms and fixtures	140 00
Clothing	1,500 00
Provisions and vegetables	950 00
Goods in store	800 00
Garden tools and farm implements	125 00
Farm stock	250 00
Chair shop, tools and fixtures	150 00
Coal	750 00
Wagons and farm utensils	400 00
Hay and fodder	200 00
Office furniture	50 00
Hospital furniture	45 00
Bath-rooms	120 00
Harness	80 00
Sewing room	70 00
Library and gymnasium	600 00
Night-watchman's clock	75 00
Carpenter shop, tools and fixtures	70 00
Total	$10,705 00

Our expenses for the year have been as follows:

PROVISIONS.

Flour	$3,031 16
Meat	2,038 74
Molasses	502 14
Sugar	190 18
Corn-meal	199 50
Oat-meal	82 15
Butter	206 73
Lard	111 46
Carried forward	$6,362 06

Brought forward	$6,362 06
Bacon	83 00
Ham	83 75
Tea	55 95
Coffee	143 23
Rice	83 71
Apples (green and dried)	49 00
Potatoes	122 96
Fish	78 05
Spices	7 95
Milk	214 40
Melons	4 85
Ice	3 30
Sundries	7 26
Beans	125 42
Peas	38 86
Cheese	17 98
Eggs	19 85
Prunes	14 75
Hominy	23 60
Barley	22 70
Yeast and baking powder	32 80
Small groceries	14 90
Canned fruits and vegetables	24 85
Mustard	3 85
Pepper	14 00
Salt	23 70
Vinegar	25 70
Fruit	24 60
Turnips	19 20
Vegetables	11 15
Buckwheat	11 25
Raisins	9 00
Total	$7,777 63

CLOTHING.

Shirting	$45 00
Jeans	440 69
Yarn	69 25
Gingham and dress-goods	50 42
Linings	35 63
Thread	112 75
Hats and caps	162 75
Buttons	17 35
Neckties and collars	26 20
Wadding	4 80
Flannel	19 73
Suits of clothing	38 55
Linseys	49 63
Total	$1,072 75

HOUSEHOLD DRY GOODS.

Sheeting	$84 89
Ticking	32 82
Crash	44 20
Table linen	4 25
Towels	3 00
Handkerchiefs	10 75
Suspenders	18 45
Needles and pins	2 10
Combs and brushes	5 70
Shoe laces	6 25
Cheviot	141 92
Bed clothing	65 50
Cottonade	42 30
Total	$461 83

FURNITURE.

Mats	$5 00
Tables and chairs	82 10
Lamps and chimneys	14 30
Chandeliers	17 25
Beds and bedding	87 50
Pictures	22 00
Cupboards	54 00
Crockery and glassware	66 80
Carpets	98 67
Mirrors	14 00
Stoves and linings	343 39
Clock	8 00
Wardrobe	10 00
Total	$823 01

FARM.

Manure	$163 75
Seed potatoes	56 25
Repairs of wagons and farm implements	35 15
Farm seed	137 47
Hot-bed sashes	10 00
Scythes and stones	4 10
Harness	32 55
Farm implements	24 35
Trees and shrubs	24 00
Total	$487 62

GENERAL EXPENSES.

Coal	$899 84
Stock for boys' and girls' shoes	668 03
Coal oil	100 29
Carried forward	$1,668 16

Brought forward	$1,668 16
Soap and lye	133 40
Boiled oil	45 58
Medicine	94 35
School books	90 00
Stationery and blank books	62 40
Hay, oats, and straw	174 11
General repairs	629 68
Sundries	22 30
Stamps and envelopes	12 25
Hardware	82 05
Wire and staples	25 10
Post-office box rent	12 00
Starch and matches	9 25
Tinware	46 73
Festivals and fire-works	107 21
Blacksmithing and horse-shoeing	85 40
Iron boiler and stand	31 65
Fertilizers	34 00
Balls and bats	9 65
Wash boards	14 15
Fodder and feedmeal	80 00
Telephone	54 00
Flowers and seeds	25 50
Lime and cement	30 50
Ladders	22 25
Coal hods	6 75
Flower pots	21 52
Plumbing material	201 25
Insect powder	9 05
Bluing	2 25
Services and salaries	322 39
Engine room	25 25
Legal expenses	55 00
Miscellaneous	245 70
Incidental expenses	17 44
Printing annual report	83 00
Water rent and rubber hose	727 46
Brooms and brushes	49 15
Papers and periodicals	54 50
Buckets	19 05
Blacking and brushes	5 85
Returning boys home	57 60
Testing scales	4 00
Stove polish	5 75
School desks and benches	13 00
Pumps	129 85
Carried forward	$5,657 48

Brought forward	$5,657 48
Insurance	40 00
Janitor city office	10 00
Physician	500 00
Secretary and Treasurer	400 00
Salaries Male Department	6,768 50
Salaries Female Department	910 00
Salaries Colored Department	1,425 00
Sundries city office	2 75
Total	$15,713 73

IMPROVEMENTS.

Lumber	$304 75
Nail and screws	31 40
Carpenters	56 50
Brick and sand	84 37
Wall paper	36 11
Total	$513 13

RECEIPTS.

Chair shop	$4,109 26
Boys' board	982 50
Vegetables	230 80
Horse	145 00
Total	$5,467 56

TOTAL EXPENDITURES FOR THE YEAR.

Provisions	$7,777 63
Clothing	1,072 75
Household dry goods	461 83
Furniture	823 01
Farm	487 62
General expenses	15,713 73
Improvements	513 13
Total	$26,849 70

Vegetables to the amount of about $500.00 have been sold from the garden during the year 1886 but not collected until after the 31st of August, and consequently does not appear in this report, but will be carried into the year of 1887.

We return thanks to the publishers of the following periodicals, for gratuitous copies of the same during the past year, and some of them for a number of years: "Central Catholic Advocate," "Christian Observer," and "Orphan's Friend" of Louisville; "Kentucky Deaf Mute" from Danville, Kentucky; The "Summary" from the State Reformatory, N. Y; "Our Dumb Animals" (two copies), Boston, Mass; "Zion's Herald," Boston, Mass; "Southern Presbyterian," Colum-

bia, South Carolina; also the Louisville *Argus* (two copies), and nine different publications, including monthly and quarterly illustrated lesson papers and Sunday-school story papers from the Sunday-school Union, New York City, and "Gardner's Monthly," and "Church Chronicle." We also return thanks to Mr. J. Helmus and Dr. Octerlony for two barrels of apples, at Christmas time.

P. CALDWELL, *Superintendent.*

SCHOOL REPORT.

WHITE BOYS' DEPARTMENT.

To the Superintendent and Board of Managers:

Number under instruction at the commencement of the year	124
Received during the year	51
Whole number under instructions during the year	175

Of the fifty-one received into the school:

Did not know the alphabet	9
Commenced in primer	6
Commenced in first reader	2
Commenced in second reader	15
Commenced in third reader	8
Commenced in fourth reader	7
Commenced in fifth reader	4
Total	51

ARITHMETIC.

Had never studied arithmetic	17
Studied primary	23
Studied intermediate	6
Were well advanced	5
Total	51

GEOGRAPHY.

Had never studied geography	34
Had studied geography	11
Had studied modern	6
Total	51

WRITING.

Had never written	17
Could write their letters	15
Could write their names	12
Could write sentences	7
Total	51

Of the fifty boys dismissed during the year there were:

Studying history	15
In the fifth reader	14
In fourth reader	12
In third reader	4
In second reader	2
In first reader	2
In primer	1
Total	50

ARITHMETIC.

Studying practical	18
Studying intermediate	20
Studying primary	10
Receiving oral instructions	2
Total	50

GEOGRAPHY.

Studying modern geography	25
Stdying introductory	20
Studying outlines	2
Not studying	3
Total	50

WRITING.

Writing in copy-books	44
Writing on Slates	5
Not writing	1
Total	50

Of the one hundred and twenty-five boys now in the school there are:

Studying history and physiology	24
In fifth reader	48
In fourth reader	30
In third reader	21
In second reader	15
In first reader	9
In primer	2
Total	125

ARITHMETIC.

Studying practical	36
Studying intermediate	34
Studying primary	36
Receiving oral instructions	19
Total	125

GEOGRAPHY.

Studying modern geography	24
Studying introductory	47
Studying outlines	38
Not studying	16
Total	125

WRITING.

Writing in copy-book	89
Writing on slates	32
Not writing	4
Total	125

JAMES B. KELLY.

COLORED DEPARTMENT.

To the Superintendent and Board of Managers:

Number under instruction at the commencement of the year	72
Received during the year	33
Total	105

Of the thirty-three received into the school:

Did not know the alphabet	8
Commenced in primer	9
Commenced in first reader	7
Commenced in second reader	6
Commenced in third reader	3
Total	33

ARITHMETIC.

Never studied arithmetic	21
Studied primary	12
Total	33

GEOGRAPHY.

Had never studied	31
Studied primary	2
Total	33

WRITING.

Had never written	27
Could write their names	6
Total	33

Of the seventy-nine now in the school there are:

Studying history	8
In fourth reader	19
In third reader	16
In second reader	12
In first reader	19
In primer	5
Total	79

GEOGRAPHY.

Studying introductory	30
Not studying	49
Total	79

WRITING.

Writing in copy-books	53
Writing on slates	24
Not writing	2
Total	79

T. P. WESTENDORF.

FEMALE DEPARTMENT.

To the Superintendent and Board of Managers:

Number under instruction at the commencement of the year	46
Received during the year	17
Total	63

Of the seventeen received into the school:

Did not know the alphabet	3
Commenced in primer	2
Commenced in second reader	6
Commenced in third reader	5
Commenced in fifth reader	1
Total	17

ARITHMETIC.

Never studied arithmetic	11
Had studied primary	5
Had studied intermediate	1
Total	17

GEOGRAPHY.

Never studied geography	10
Studied primary	6
Studied intermediate	1
Total	17

WRITING.

Had never written	5
Could write their names	10
Could write well	2
Total	17

Of the forty-one now in the school there are:

Studying history	5
In fifth reader	5
In fourth reader	9
In third reader	7
In second reader	9
In first reader	6
Total	41

ARITHMETIC.

Studying practical	4
Studying intermediate	10
Studying primary	16
Receiving oral instructions	11
Total	41

GEOGRAPHY.

Studying modern geography	4
Studying introductory	18
Not studying	19
Total	41

WRITING.

Writing in copy-books	26
Writing on slates	15
Total	41

MRS. T. P. WESTENDORF.

REPORT OF SECRETARY AND TREASURER.

LOUISVILLE, KY., September 1, 1886.

To the President and Board of Managers of the Louisville Industrial School of Reform:

GENTLEMEN: The twenty-first annual report of the Secretary and Treasurer, showing the receipts from taxes, and the receipts and expenditures of the Louisville Industrial School of Reform for the fiscal year ending August 31, 1886, and the balance on hand, is as follows:

STATEMENT.

1885.			
Sept. 1.	Balance on hand as per last annual report		$11,230 57
1886.			
Aug. 31.	Receipts during the year:		
	From Receiver of City Taxes	$29,108 32	
	From Institution	5,467 56	
	From Bank for interest	1,200 55	
			35,776 43
	Total		47,007 00
1886.			
Aug. 31.	Expended during the year	$26,849 70	
	Expended for New School Building	9,757 94	
			36,607 64
	Balance on hand		$10,399 36

Very respectfully,

W. P. McDOWELL,

Secretary and Treasurer.

ANNUAL REPORT

OF THE

PRESIDENT AND COMMISSIONERS

OF THE

LOUISVILLE SINKING FUND

FOR THE

YEAR ENDING DECEMBER 31, 1886.

OFFICERS

OF THE

LOUISVILLE SINKING FUND.

PRESIDENT.

JOHN B. SMITH.

COMMISSIONERS.

WM. R. RAY. J. B. SMITH.

WM. TILLMAN. HON. JAS. C. GILBERT, *Pres't B. A.*

HON. P. B. REED, *Mayor.*

SECRETARY AND TREASURER.

J. M. TERRY.

President's Report.

OFFICE OF THE COMMISSIONERS OF THE SINKING FUND,
LOUISVILLE, KY., January 1, 1887.

TO THE MAYOR AND GENERAL COUNCIL:

Herewith is submitted the report of the Commissioners of the Sinking Fund with appended tables, giving in detail the receipts and disbursements for the year 1886; also the bonded debt of the city, which, to this date, amounts to $9,352,000.

During the past year bonds have been redeemed and burned to the amount of $164,000, and there has been purchased as an investment city bonds to the amount of $505,000 — $450,000 being of the city's late issue of 5 per cent. We have also invested in and hold U. S. registered 4 per cent. bonds to the amount of $335,000.

The receipts for the year have been unusually large, from the fact of our realizing on past investments, receiving from this source $644,000, which has been reinvested as above shown.

The amount in bonds outstanding issued by the city and payable by the Louisville & Nashville Railroad Company has been materially decreased this year, $962,000 of them having matured and been paid by this company, leaving now outstanding, of the various issues, the sum of $434,000.

Some legislation is needed on the part of the General Council as regards our license system, which it is hoped will be had at an early date.

Respectfully,

JOHN B. SMITH, *President.*

Treasurer's Report.

OFFICE OF THE COMMISSIONERS OF THE SINKING FUND,
Louisville, Ky., January 1, 1887.

President Commissioners of the Sinking Fund:

Dear Sir—I have the honor to submit herewith the Twentieth Annual Report, giving a full and detailed statement of the receipts and disbursements for the year 1886, and showing the condition of the Sinking Fund on the 31st December, 1886.

Very respectfully,

Your obedient servant,

J. M. TERRY, *Sec'y and Treas.*

STATEMENT No. I.

SHOWING THE RECEIPTS OF THE SINKING FUND OF THE CITY OF LOUISVILLE FOR THE YEAR ENDING DECEMBER 31, 1886.

Cash on hand January 1, 1886	$672,962 47	
Receipts from all sources during the year 1886	2,600,494 48	
		$3,273,456 95
Disbursements during the year 1886		2,759,468 32
Cash on hand December 31, 1886		513,988 63

LICENSES.

Groceries and green groceries	$21,925 30
Stores	52,907 40
Drays	361 50
Wagons	4,806 50
Hacks	1,261 00
Carts	2,067 75
Confectioneries	1,257 75
Taverns	45,994 00
Coffee-houses	32,782 50
Insurance companies	21,300 00
Shows and exhibitions	1,050 00
Lumber-yards	932 00
Brokers	1,020 00
Lottery offices	10,100 00
Livery stables	690 00
Buggies and carriages	100 00
Coal dealers	2,383 25
Billiards and ten-pins	2,500 00
Hucksters	811 00
Boarding-houses	120 00
Pork-houses	1,250 00
Peddlers	6,444 00
Real-estate agents	1,600 00
Cattle brokers	917 50
Telephone, telegraph, and express companies	536 30
Photographers	231 50
Claim, commercial, and shipping agents	1,845 00
Architects	60 00
Veterinary surgeons	70 50
Distillers	5,250 00
Carried forward	222,574 75

Brought forward	$222,574 75	
Auctioneers	853 75	
Dogs and bitches	8,286 00	
Tobacco warehouses and dealers	5,151 25	
Eating-houses	960 50	
Louisville City Railway Company	6,906 80	
Central Passenger Railway Company	3,441 65	
Kentucky Street R. R. Co.	374 94	
Balls and dances	610 00	
Swimming pools	10 00	
Shooting galleries	37 50	
Banks	6,400 00	
House agents	100 00	
Mercantile agents	102 50	
Chiropodists	40 00	
Roller skating rinks	100 00	
Intelligence offices	100 00	
Club houses	1,000 00	
		$257,049 64

CITY WHARF.

Of Chas. Kremer, W. M., per reports	14,175 00

CITY FIVE PER CENT. BONDS.

Sold Louisville Water Co. 50 city 5 per cent. bonds, due August 1, 1911	50,000 00

FLOATING DEBT.

Of H. W. Kohnhorst, Tax Receiver, account city back taxes	1,355 09

FLOATING DEBT, 1879, 1880, 1881.

Of H. W. Kohnhorst, Tax Receiver, account city back taxes	$5,534 69	
Of L. N. Dembitz, Assistant City Attorney, account costs in suits	150 29	
		5,684 98

INTEREST.

Of Falls City Bank, account deposits	$13,107 50	
Bank of Commerce, account deposits	8,856 49	
Bank of Kentucky, account deposits	308 21	
Louisville Banking Co., account deposits	4,773 37	
On 39 Louisville & Portland Canal Bonds, due January 1, 1886	1,170 00	
421 City Bonds to L. & N. R. R., due April 1, 1886	12,630 00	
48 City Bonds to L. & N. R. R., Lebanon Br. Extension, due April 15, 1886	1,440 00	
Carried forward	42,285 57	328,264 71

Brought forward	$42,285 57	$328,264 71
On 52 City Bonds to L. & N. R. R., Lebanon Br., due June 2, 1886	1,560 00	
14 City Bonds to L. & N. R. R., due October 1, 1886	420 00	
117 City Bonds to L. & N. R. R., Lebanon Br., due May 11, 1886	3,510 00	
126 City Bonds to L. & N. R. R., Lebanon Br., due November 11, 1886	3,780 00	
51 City Bonds to L. & N. R. R., Lebanon Br. Extension, due October 15, 1886	1,530 00	
$335,000 00 U. S. 4 per cent. bonds	6,700 00	
50 city 5 per cent. bonds	347 22	
note of city of Louisville	4,968 04	
		65,100 83
BILLS RECEIVABLE.		
Note of city of Louisville		50,000 00
LOU. & NASH. R. R. BONDS, "INVESTMENT."		
427 City Bonds to L. & N. R. R.		427,000 00
LOUISVILLE & NASHVILLE R. R. CO.		
To pay 441 City Bonds to L. & N. R. R., due April 1, 1886	$441,000 00	
To pay 199 City Bonds to L. & N. R. R., due October 1, 1886	199,000 00	
To pay 94 City Bonds to L. & N. R. R., due April 1, 1887	94,000 00	
To pay 90 City Bonds to L. & N. R. R., Lebanon Br., due June 2, 1886	90,000 00	
To pay 135 City Bonds to L. & N. R. R., Lebanon Br., due November 11, 1886	135,000 00	
To pay interest on 838 City Bonds to L. & N. R. R., due April 1, 1886	21,891 25	
To pay interest on 201 City Bonds to L. & N. R. R., due October 1, 1886	5,310 00	
To pay interest on 333 City Bonds to L. & N. R. R., Lebanon Br. Extension, due April 15, 1886 . . .	9,990 00	
To pay interest on 333 City Bonds to L. & N. R. R., Lebanon Br. Extension, due October 15, 1886 . .	9,990 00	
To pay interest on 135 City Bonds to L. & N. R. R., Lebanon Br., due May 11, 1886	4,050 00	
To pay interest on 135 City Bonds to L. & N. R. R., Lebanon Br., due November 11, 1886	4,050 00	
To pay interest on 90 City Bonds to L. & N. R. R., Lebanon Br., due June 2, 1886	2,700 00	
		1,016,981 25
Carried forward		1,887,346 79

Brought forward		$1,887,346 79
LEBANON BRANCH R. R. BONDS, "INVESTMENT."		
52 City Bonds to L. & N. R. R., Lebanon Br., due June 2, 1886	$52,000 00	
126 City Bonds to L. & N. R. R., Lebanon Br., due November 11, 1886	126,000 00	
		178,000 00
LOU. & PORT. CANAL BONDS, "INVESTMENT."		
39 Louisville & Portland Canal Bonds, due January 1, 1886 . . .		39,000 00
MARKET HOUSES.		
Of Pat. Cody, M. M., account stall rents Boone Market House, 1885	$150 00	
Of Pat. Cody, M. M., account stall rents Boone Market House, 1886	706 50	
Of M. McGuire, M. M., account stall rents Shelby Market House, 1886	677 00	
		1,533 50
PREMIUMS.		
On 99 City Bonds to L. & N. R. R., due October 1, 1886	$990 00	
On 94 City Bonds to L. & N. R. R., due April 1, 1887	1,880 00	
		2,870 00
RENTS.		
Of Hampton & Dudley, rent wharf property from July 10, 1885, to January 10, 1886	$75 00	
Of C., O. & S. W. R. R. Co., rent basin property from July 1 to December 31, 1885	415 20	
Of C., O. & S. W. R. R. Co., rent basin property from January 1 to June 30, 1886	415 20	
		905 40
SINKING FUND TAX.		
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1880	$730 49	
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1881	1,766 43	
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1882	4,905 93	
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1883	5,159 49	
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1884	7,417 87	
Carried forward	19,980 21	2,109,655 69

Brought forward	$19,980 21	$2,109,655 69	
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1885	22,354 71		
Of H. W. Kohnhorst, Tax Receiver, account Sinking Fund Tax, 1886	428,359 36		
		470,694 28	

BACK TAXES.

Of H. W. Kohnhorst, Tax Receiver	623 25

CITY TAXES, 1882, 1883, 1884.

Of H. W. Kohnhorst, Tax Receiver	19,521 26
Total	2,600,494 48

STATEMENT No. II.

SHOWING THE DISBURSEMENTS OF THE SINKING FUND OF THE CITY OF LOUISVILLE FOR THE YEAR ENDING DECEMBER 31, 1886.

BONDS DUE IN 1885, REDEEMED AND BURNED.		
2 School Bonds, due June 10, 1885		$2,000 00
BONDS DUE IN 1886, REDEEMED AND BURNED.		
6 Cabel-street Improvement Bonds, due March 26, 1886	$6,000 00	
26 School Bonds, due April 10, 1886	26,000 00	
		32,000 00
BONDS PURCHASED AND RETIRED BY BURNING.		
28 Water Bonds, due May 1, 1887	$28,000 00	
5 School Bonds, due May 1, 1887	5,000 00	
31 E. & P. R. R. Bonds, due October 1, 1888	31,000 00	
25 Water Bonds, due May 1, 1889	25,000 00	
2 School Bonds, due June 1, 1889	2,000 00	
4 Old Liability Bonds, due June 1, 1889	4,000 00	
27 City Hall Bonds, due April 1, 1891	27,000 00	
3 L., N. A. & St. L. A. L. Railway Bonds, due September 1, 1891	3,000 00	
3 City Institution Bonds, due June 1, 1892	3,000 00	
1 Wharf Bond, due October 17, 1892	1,000 00	
1 Street Improvement Bond, due August 25, 1896	1,000 00	
		130,000 00
CITY BONDS PURCHASED AS AN INVESTMENT.		
450 city 5 per cent. Old Liability Bonds, due August 1, 1911	$450,000 00	
1 city 5 per cent. bond, 10-40, due May 1, 1920	1,000 00	
		451,000 00
BONDS TO L. & N. R. R., PURCHASED AS AN INVESTMENT.		
12 City Bonds to L. & N. R. R., due April 1, 1886	$12,000 00	
6 City Bonds to L. & N. R. R., due Oct'r 1, 1886	6,000 00	
18 City Bonds to L. & N. R. R., due April 1, 1887	18,000 00	
6 City Bonds to L. & N. R. R., Lebanon Branch, due June 2, 1886	6,000 00	
9 City Bonds to L. & N. R. R., Lebanon Branch, due November 11, 1886	9,000 00	
3 City Bonds to L. & N. R. R., Lebanon Branch Extension, due October 15, 1893	3,000 00	
		54,000 00
Carried forward		669,000 00

Brought forward		$669,000 00
UNITED STATES BONDS, INVESTMENT.		
U. S. registered 4 per cent. bonds		335,000 00
BILLS RECEIVABLE.		
Note of the city of Louisville, due February 12, 1887		50,000 00
CITY WHARF.		
Paid Chas. Kremer, W. M., salary for 1886.	$2,345 78	
pay rolls	6,013 63	
Bradley & Gilbert Co., stationery	17 10	
Wm. Wheelhouse, repairs to wharf	21 02	
		8,397 53
FLOATING DEBT, 1879, 1880, 1881.		
Paid L. S. Reed, receiver Louisville Chancery Court in case Kaye vs. Buckner.	$991 44	
L. N. Dembitz, Assistant City Attorney . . .	50 00	
warrants	3,999 64	
		5,041 08
INCIDENTAL EXPENSES.		
Paid Ohio Valley Telephone Co.	$72 90	
Louisville Transfer Co., carriage hire	2 00	
Assistant Secretary of State, for copy of laws . .	7 00	
R. D. Bache, for metal tags	165 00	
C. K. Caron, for Directory	6 00	
Geo. Farnham, for copying	10 62	
L. D. Pearson & Sons	2 60	
R. A. Robinson & Co.	25	
for repairing chair	75	
J. P. Martine, for copying	10 05	
Fidelity Trust and Safety Vault Co., box rent . .	90 00	
Courier-Journal Co.	16 80	
J. Kinnie Smith, for examining Sinking Fund books, 1885	269 00	
Frank Wybrant	1 50	
Oscar Camerer	1 00	
expenses of Messrs. Gilbert and Ray to Frankfort	112 50	
putting up and taking down awnings	1 00	
for postage stamps	3 60	
for N. Y. Exchange	11 50	
W. S. Fowler, for sprinkling	30 00	
L. Wunsch, for duster	2 25	
Hegan Bros., for box	4 25	
Geo. Wolf & Co., repairing clock	2 00	
Dye's Counterfeit Detector	3 00	
Carried forward	825 57	1,067,438 61

Brought forward	$825 57	$1,067,438 61	
Paid Ed. T. Tierney, for signing coupons on bonds .	200 00		
Ed. Cocke	15 00		
F. B. Leonhard & Co., for pitcher	65		
for telegrams	14 20		
express on bonds and coupons	20 25		
		$1,075 67	

LOUISVILLE & NASHVILLE R. R. CO.

Paid 5 Lebanon Branch Extension Coupons, due October 15, 1885	$150 00		
2 Lebanon Branch Extension Coupons, due October 15, 1885	60 00		
286 L. & N. R. R. Coupons, due April 1, 1886	8,580 00		
119 L. & N. R. R. Coupons, due April 1, 1886	3,570 00		
133 L. & N. R. R. Coupons, due April 1, 1886	3,990 00		
271 Lebanon Branch Extension Coupons, due April 15, 1886	8,130 00		
1 Lebanon Branch Extension Coupon, due April 15, 1885	30 00		
28 Lebanon Branch Extension Coupons, due April 15, 1886	840 00		
10 Lebanon Branch Extension Coupons, due April 15, 1886	300 00		
57 Lebanon Branch Coupons, due June 2, 1886	1,710 00		
2 Lebanon Branch Extension Coupons, due October 15, 1885	60 00		
15 Lebanon Branch Extension Coupons, due April 15, 1886	450 00		
1 Lebanon Branch Extension Coupon, due April 15, 1886	30 00		
14 L. & N. R. R. Coupons, due October 1, 1886	420 00		
42 L. & N. R. R. Coupons, due October 1, 1886	1,260 00		
1 Lebanon Branch Extension Coupon, due April 15, 1886	30 00		
228 Lebanon Branch Extension Coupons, due October 15, 1886	6,840 00		
441 City Bonds to L. & N. R. R., due April 1, 1886	441,000 00		
199 City Bonds to L. & N. R. R., due October 1, 1886	199,000 00		
94 City Bonds to L. & N. R. R., due April 1, 1887	94,000 00		
90 City Bonds to L. & N. R. R., Lebanon Br., due June 2, 1886	90,000 00		
Carried forward	860,450 00	1,068,514 28	

Brought forward	$860,450 00	$1,068,514 28
Paid 134 City Bonds to L. & N. R. R., Lebanon Br., due November 11, 1886	134,000 00	
3 Lebanon Branch Extension Coupons, due April 15, 1886	90 00	
78 Lebanon Branch Extension Coupons, due October 15, 1886	2,340 00	
117 Lebanon Branch Coupons, due May 11, 1886	3,510 00	
126 Lebanon Branch Coupons, due Nov. 11, 1886	3,780 00	
2 Lebanon Branch Extension Coupons, due April 15, 1886	60 00	
4 Lebanon Branch Extension Coupons, due October 15, 1886	120 00	
		1,004,350 00

MARKET HOUSES.

Paid M. McGuire, M. M., salary for 1886	$400 00	
Pat. Cody, M. M., salary for 1886	400 00	
Louisville Gas Co., gas bills for December, 1885	20 80	
Louisville Gas Co., gas bills to Nov. 30, 1886	164 22	
J. Edinger, repairs to Shelby M. H.	16 50	
M. J. Duffy, repairs to Boone M. H.	5 50	
		1,007 02

PREMIUMS.

On 26 City Bonds to L. & N. R. R.	$270 00	
11 City Bonds to L. & N. R. R., Lebanon Br.	25 75	
3 City Bonds to L. & N. R. R., Lebanon Branch Extension	270 00	
1 city 5 per cent. bond	30 00	
52 Water Bonds	1,642 50	
12 School Bonds	158 17	
31 E. & P. R. R. Bonds	1,720 00	
4 Old Liability Bonds	187 50	
27 City Hall Bonds	2,445 00	
3 L., N. A. & St. L. A. L. R. R. Bonds	370 00	
1 Wharf Bond	80 00	
1 Street Improvement Bond	100 00	
U. S. 4 per cent. Bonds	85,634 38	
3 City Institution Bonds	330 00	
N. Y. Exchange	141 50	
		93,404 80

PRINTING AND STATIONERY.

Paid Bradley & Gilbert Co.	$711 18	
Courier-Journal Co.	58 05	
Louisville Anzeiger	6 00	
Wm. Krippenstapel	5 00	
The National Bank of the Republic, N. Y.	35 95	
Carried forward	816 18	2,167,276 10

Brought forward	$816 18	$2,167,276 10	
Paid Louisville Press Co.	8 00		
C. T. Dearing	1 00		
Kentucky Lithographing Co.	14 50		
Falls City Lithographing Co.	60 00		
M. Jacobs	5 00		
			904 68

SALARIES.

Paid Jas. Trabue, President, January salary	$125 00		
Jas. C. Gilbert, President, from February 19 to December 10, 1886	1,208 31		
John B. Smith, President, from December 14 to December 31, 1886	66 65		
J. M. Terry, Secretary and Treasurer, salary for 1886	3,250 00		
J. Meffert, Chief Assistant License Inspector, salary for 1886	2,000 00		
T. D. Osborne, Assistant License Inspector, salary for 1886	1,663 72		
H. J. Mead, Jr., Assistant License Inspector, salary for 1886	1,663 72		
Oscar Camerer, Assistant License Inspector, salary for 1886	1,663 72		
W. H. Bryan, Assistant License Inspector, salary for 1886	1,540 14		
			13,181 26

STATE TAXES.

Paid J. D. Barbour, Sheriff, State taxes for 1885			803 25

THE NATIONAL BANK OF THE REPUBLIC, NEW YORK—"GENERAL COUPON ACCOUNT."

Remittance to pay interest due January 1, 1886, on 828 E. & P. R. R. Bonds, 547 Reconstruction Bonds, 307 Road Bed Bonds, 452 Water Bonds, 862 Municipal Improvement Bonds, 819 Municipal Improvement Bonds	$97,460 00		
Remittance to pay interest due February 2, 1886, on 8 Wharf Bonds	240 00		
Remittance to pay interest due March 1, 1886, on 446 L., N. A. & St. L. A. L. R. R. Bonds, 329 Old Liability Bonds	27,125 00		
Remittance to pay interest due April 1, 1886, on 283 City Hall Bonds, 708 E. & P. R. R. Bonds	34,685 00		
Remittance to pay interest due April 17, 1886, on 5 Wharf Bonds	150 00		
Carried forward	159,660 00	2,182,165 29	

Brought forward	$159,660 00	$2,182,165 29
Remittance to pay interest due May 1, 1886, on 601 Water Bonds, 234 City 5 per cent. Bonds	23,880 00	
Remittance to pay interest due June 1, 1886, on 199 City Institution Bonds, 415 Sewer Improvement Bonds	21,490 00	
Remittance to pay interest due July 1, 1886, on 884 Municipal Improvement Bonds, 798 Municipal Improvement Bonds, 448 Water Bonds, 753 E. & P. R. R. Bonds, 524 Reconstruction Bonds, 321 Road Bed Bonds	94,170 00	
Remittance to pay interest due August 2, 1886, on 10 Wharf Bonds	300 00	
Remittance to pay interest due September 1, 1886, on 310 Old Liability Bonds, 441 L., N. A. & St. L. A. L. R. R. Bonds	26,285 00	
Remittance to pay interest due October 1, 1886, on 289 City Hall Bonds, 674 E. & P. R. R. Bonds . .	33,705 00	
Remittance to pay interest due October 17, 1886, on 2 Wharf Bonds	60 00	
Remittance to pay interest due November 1, 1886, on 530 Water Bonds, 343 City 5 per cent. Bonds . . .	24,475 00	
Remittance to pay interest due December 1, 1886, on 200 City Institution Bonds, 417 Sewer Improvement Bonds	21,595 00	
		405,620 00

THE NATIONAL BANK OF THE REPUBLIC, NEW YORK—"ACCOUNT L. & N. R. R. CO."

Remittance to pay interest due April 1, 1886, on 300 City Bonds to L. & N. R. R.	$9,000 00	
Remittance to pay interest due October 1, 1886, on 145 City Bonds to L. & N. R. R.	4,350 00	
		13,350 00

THE NATIONAL BANK OF THE REPUBLIC, NEW YORK—"ACCOUNT L. & N. R. R., LEBANON BRANCH.

Remittance to pay interest due May 11, 1886, on 18 City Bonds to L. & N. R. R., Lebanon Branch . .	$540 00	
Remittance to pay interest due June 2, 1886, on 33 City Bonds to L. & N. R. R., Lebanon Branch . .	990 00	
Remittance to pay interest due November 11, 1886, on 9 City Bonds to L. & N. R. R., Lebanon Br. . .	270 00	
		1,800 00

LICENSES.

Refunded Henry Krapp, coffee-house license	$75 00	
G. H. M. Knight, peddler's license	10 00	
Carried forward	85 00	2,602,935 29

Brought forward	$85 00	$2,602,935 29
Refunded D. X. Murphy, architect, license	10 00	
Gibson & Gibson, attorneys, sample dealer's license, as per judgment Court of Appeals	2,009 67	
		2,104 67
SINKING FUND TAX, 1883.		
Refunded bond debt tax on licensed merchandise		22 26
SINKING FUND TAX, 1884.		
Refunded bond debt tax on licensed merchandise		3 40
CITY OF LOUISVILLE, "SCHOOL FUND."		
Paid Henry Wolford, City Treasurer, amount due School Fund, 1886		25,200 00
H. W. KOHNHORST, TAX RECEIVER, ACCOUNT SINKING FUND TAX, 1886.		
Paid Henry Wolford, City Treasurer, discount allowed by city on Sinking Fund tax bills, 1886		8,935 34
INTEREST.		
On 1 City Bond to L. & N. R. R.	$16 15	
1 City Bond to L. & N. R. R., Lebanon Br.	6 00	
2 Water Bonds	22 66	
2 City Bonds to L. & N. R. R.	32 66	
1 City 5 per cent. Bond	9 44	
5 School Bonds	84 16	
Paid 76 Sewer Coupons, due January 1, 1886	2,280 00	
3 Sewer Coupons, due July 1, 1885	90 00	
6 Wharf Coupons, due November 14, 1885	180 00	
2 Wharf Coupons, due February 2, 1886	60 00	
2 Old Liability Coupons, due December 1, 1885	60 00	
1 Jail Coupon, due October 1, 1884	30 00	
1 Jail Coupon, due April 1, 1885	30 00	
1 Jail Coupon, due October 1, 1885	30 00	
1 Improvement Coupon, due August 1, 1885	30 00	
1 Improvement Coupon, due August 25, 1886	30 00	
2 Improvement Coupons, due Sept. 15, 1885	60 00	
1 Improvement Coupon, due Dec. 15, 1884	30 00	
1 Improvement Coupon, due June 15, 1885	30 00	
4 Improvement Coupons, due Dec. 15, 1885	120 00	
2 Improvement Coupons, due August 1, 1885	60 00	
On 1 City Bond to L. & N. R. R.	21 83	
3 Water Bonds	50 50	
3 City Bonds to L. & N. R. R.	70 00	
Carried forward	3,433 40	2,639,200 96

Brought forward	$3,433 40	$2,639,200 96
On 2 City Bonds to L. & N. R. R., Lebanon Br. . .	18 33	
Paid 38 L., N. A. & St. L. A. L. R. R. Coupons, due March 1, 1886	1,330 00	
Paid 65 Old Liability Coupons, due March 1, 1886 . .	2,275 00	
63 Improvement Coupons, due Feb'y 1, 1886 . .	1,890 00	
3 Improvement Coupons, due Dec. 15, 1885 . .	90 00	
2 Improvement Coupons, due August 1, 1885 .	60 00	
1 Improvement Coupon, due August 25, 1885 .	30 00	
1 Improvement Coupon, due June 15, 1885 . .	30 00	
1 Jail Coupon, due October 1, 1885	30 00	
1 School Coupon, due November 1, 1885 . . .	30 00	
1 School Coupon, due December 1, 1885 . . .	30 00	
2 Sewer Coupons, due January 1, 1886	60 00	
2 Old Liability Coupons, due June 1, 1885 . .	60 00	
3 Old Liability Coupons, due Dec. 1, 1885 . .	90 00	
13 Wharf Coupons, due February 5, 1886 . . .	390 00	
9 Improvement Coupons, due Feb. 25, 1886 . .	270 00	
On 1 Old Liability Bond	15 83	
1 Wharf Bond	23 16	
1 E. & P. R. R. Bond	32 25	
3 City Bonds to L. & N. R. R.	90 00	
4 City Bonds to L. & N. R. R.	120 00	
Paid 16 E. & P. R. R. Coupons, due April 1, 1886 . .	560 00	
1 City Hall Coupon, due April 1, 1886	35 00	
65 City Hall Coupons, due April 1, 1886	2,275 00	
13 Improvement Coupons, due Feb. 1; 1886 . .	390 00	
14 Improvement Coupons, due Feb. 25, 1886 . .	420 00	
7 Improvement Coupons, due March 15, 1886 .	210 00	
1 Improvement Coupon, due March 15, 1885 .	30 00	
1 Improvement Coupon, due Feb. 25, 1888 . .	30 00	
2 Wharf Coupons, due February 5, 1886 . . .	60 00	
1 Jail Coupon, due October 1, 1885	30 00	
1 Jail Coupon, due April 1, 1886	30 00	
2 School Coupons, due December 10, 1884 . .	60 00	
2 School Coupons, due June 10, 1885	60 00	
4 E. & P. R. R. Coupons, due October 1, 1885	140 00	
4 Cabel-street Imp'ment Coupons, due March 26, 1886	120 00	
On 1 City Bond to L. & N. R. R.	50	
3 City Bonds to L. & N. R. R., Lebanon Br. . .	72 00	
Paid 220 City 5 per cent. Coupons, 10-40s, due May 1, 1886	5,500 00	
Paid 205 City 5 per cent. Coupons, 20-40s, due May 1, 1886	5,125 00	
Paid 114 Old Liability Coupons, due April 1, 1886 . .	3,990 00	
Carried forward	29,535 47	2,639,200 96

	Brought forward	$29,535 47	$2,639,200 96
Paid	2 City Hall Coupons, due April 1, 1886	70 00	
	124 Jail Coupons, due April 1, 1886	3,720 00	
	18 School Coupons, due April 10, 1886	540 00	
	4 School Coupons, due December 1, 1885	120 00	
	16 Improvement Coupons, due April 1, 1886	480 00	
	6 Improvement Coupons, due Feb. 1, 1886	180 00	
	3 Improvement Coupons, due March 15, 1886	90 00	
	7 Improvement Coupons, due February 25, 1886	210 00	
	2 Cabel-street Imp'ment Coupons, due March 26, 1886	60 00	
	2 Wharf Coupons, due December 1, 1885	60 00	
	2 Wharf Coupons, due November 14, 1885	60 00	
	1 Sewer Coupon, due January 1, 1886	30 00	
	1 Jail Coupon, due October 1, 1885	30 00	
	1 School Coupon, due May 1, 1886	30 00	
	1 Wharf Coupon, due February 5, 1886	30 00	
	1 Improvement Coupon, due August 1, 1885	30 00	
	5 Old Liability Coupons, due October 1, 1885	175 00	
	19 Water Coupons, due May 1, 1886	570 00	
	48 Water Coupons, due May 1, 1886	1,440 00	
On	2 City Bonds to L. & N. R. R.	11 66	
	2 E. & P. R. R. Bonds	13 61	
	1 School Bond	25 83	
	1 City Bond to L. & N. R. R.	6 00	
	4 Water Bonds	4 65	
	1 Water Bond	2 00	
	4 Water Bonds	14 66	
	1 City Bond to L. & N. R. R.	8 66	
	1 City Bond to L. & N. R. R.	9 00	
Paid	108 Wharf Coupons, due May 14, 1886	3,240 00	
	14 School Coupons, due May 1, 1886	420 00	
	2 School Coupons, due October 10, 1885	60 00	
	2 School Coupons, due April 10, 1886	60 00	
	4 Wharf Coupons, due November 14, 1885	120 00	
	3 Improvement Coupons, due April 1, 1886	90 00	
	1 Improvement Coupon, due March 15, 1885	30 00	
	1 Improvement Coupon, due Sept. 15, 1885	30 00	
	1 Improvement Coupon, due March 15, 1886	30 00	
	1 Improvement Coupon, due Feb. 1, 1886	30 00	
	1 Improvement Coupon, due Feb. 25, 1886	30 00	
	1 Improvement Coupon, due June 15, 1886	30 00	
	1 Sewer Coupon, due January 1, 1886	30 00	
	2 Jail Coupons, due April 1, 1886	60 00	
	1 City Institution Coupon, due June 1, 1886	35 00	
	Carried forward	41,851 54	2,639,200 96

Brought forward	$41,851 54	$2,639,200 96	
Paid 8 Sewer Improvement Coupons, due June 1, 1886	280 00		
4 Improvement Coupons, due October 1, 1885	120 00		
On 2 Water Bonds	10 00		
1 L., N. A. & St. L. A. L. R. R. Bond	17 50		
1 Water Bond	5 66		
2 City Hall Bonds	26 05		
4 Water Bonds	27 33		
3 City Bonds to L. & N. R. R.	41 00		
1 City Bond to L. & N. R. R., Lebanon Br.	6 83		
Paid 245 E. & P. R. R. Coupons, due July 1, 1886	8,575 00		
76 Reconstruction Coupons, due July 1, 1886	2,660 00		
8 Road Bed Coupons, due July 1, 1886	280 00		
21 Road Bed Coupons, due July 1, 1886	735 00		
5 Old Liability Coupons, due April 1, 1886	175 00		
16 Municipal Improvement Coupons, due July 1, 1886	160 00		
52 Municipal Improvement Coupons, due July 1, 1886	1,040 00		
51 Water Coupons, due July 1, 1886	1,530 00		
54 Old Liability Coupons, due June 1, 1886	1,620 00		
24 Improvement Coupons, due June 15, 1886	720 00		
1 Improvement Coupon, due Feb. 1, 1886	30 00		
3 Jail Coupons, due April 1, 1886	90 00		
4 Wharf Coupons, due June 1, 1886	120 00		
3 Wharf Coupons, due May 14, 1886	90 00		
4 School Coupons, due May 1, 1886	120 00		
11 School Coupons, due June 1, 1886	330 00		
On 1 Water Bond	10 33		
1 E. & P. R. R. Bond	19 25		
1 L., N. A. & St. L. A. L. R. R. Bond	27 60		
5 E. & P. R. R. Bonds	113 75		
1 School Bond	14 50		
Paid 10 City Hall Coupons, due April 1, 1886	350 00		
1 Sewer Coupon, due January 1, 1886	30 00		
71 Sewer Coupons, due July 1, 1886	2,130 00		
7 Wharf Coupons, due May 14, 1886	210 00		
2 Wharf Coupons, due November 14, 1885	60 00		
1 School Coupon, due December 1, 1885	30 00		
1 School Coupon, due June 1, 1886	30 00		
1 School Coupon, due May 1, 1886	30 00		
3 Improvement Coupons, due Feb. 1, 1886	90 00		
1 Improvement Coupon, due August 1, 1886	30 00		
1 Improvement Coupon, due March 15, 1886	30 00		
1 Improvement Coupon, due Sept. 15, 1885	30 00		
Carried forward	63,896 34	2,639,200 96	

	Brought forward	$63,896 34	$2,639,200 96
Paid	1 Improvement Coupon, due Dec. 15, 1885 . .	30 00	
	7 Improvement Coupons, due June 15, 1886 .	210 00	
	2 Old Liability Coupons, due June 1, 1886 . .	60 00	
On	1 City Bond to L. & N. R. R.	20 33	
	1 E. & P. R. R. Bond	27 03	
	4 City Bonds to L. & N. R. R., Lebanon Br. . .	68 00	
	1 City Bond to L. & N. R. R.	23 83	
	1 City Bond to L. & N. R. R.	25 00	
Paid	84 Old Liability Coupons, due September 1, 1886	2,940 00	
	43 L., N. A. & St. L. A. L. R. R. Coupons, due September 1, 1886	1,505 00	
	60 Improvement Coupons, due August 1, 1886 .	1,800 00	
	6 Improvement Coupons, due August 25, 1886	180 00	
	1 Old Liability Coupon, due June 1, 1886 . . .	30 00	
	1 Sewer Coupon, due January 1, 1886	30 00	
	5 Sewer Coupons, due July 1, 1886	150 00	
	1 Jail Coupon, due October 1, 1885	30 00	
	1 Jail Coupon, due April 1, 1886	30 00	
	12 Wharf Coupons, due August 5, 1886	360 00	
On	3 Lebanon Branch Ext. R. R. Bonds	74 00	
	20 City Hall Bonds	633 89	
	4 City Bonds to L. & N. R. R., Lebanon Br. . .	73 32	
	1 E. & P. R. R. Bond	30 13	
	1 Water Bond	23 00	
	1 School Bond	18 50	
	1 Water Bond	23 50	
	1 City Bond to L. & N. R. R.	28 50	
	1 City Bond to L. & N. R. R.	28 66	
	2 Water Bonds	48 00	
	10 Water Bonds	230 14	
Paid	1 City Hall Coupon, due October 1, 1886 . . .	35 00	
	37 City Hall Coupons, due October 1, 1886 . . .	1,295 00	
	40 E. & P. R. R. Coupons, due October 1, 1886	1,400 00	
	1 Old Liability Coupon, due April 1, 1886 . .	35 00	
	1 School Coupon, due April 10, 1886	30 00	
	2 School Coupons, due June 1, 1886	60 00	
	2 Jail Coupons, due April 1, 1886	60 00	
	4 Sewer Coupons, due July 1, 1886	120 00	
	5 Wharf Coupons, due May 14, 1886	150 00	
	2 Wharf Coupons, due August 5, 1886	60 00	
	3 Improvement Coupons, due June 15, 1886 . .	90 00	
	8 Improvement Coupons, due Sept. 15, 1886 . .	240 00	
	20 Improvement Coupons, due August 1, 1886 .	600 00	
	21 Improvement Coupons, due August 25, 1886 .	630 00	
	Carried forward	77,432 17	2,639,200 96

Brought forward	$77,432 17	$2,639,200 96
Paid 2 L., N. A. & St. L. A. L. R. R. Coupons, due March 1, 1886	70 00	
On 2 City Bonds to L. & N. R. R.	1 66	
5 Water Bonds	131 51	
4 E. & P. R. R. Bonds	11 66	
2 E. & P. R. R. Bonds	6 22	
3 Old Liability Bonds	68 00	
4 City Bonds to L. & N. R. R.	18 00	
Paid 111 Old Liability Coupons, due October 1, 1886	3,885 00	
116 Jail Coupons, due October 1, 1886	3,480 00	
1 School Coupon, due November 1, 1886	30 00	
4 School Coupons, due June 1, 1886	120 00	
3 Wharf Coupons, due October 17, 1886	90 00	
1 Wharf Coupon, due May 14, 1886	30 00	
1 Improvement Coupon, due August 25, 1886	30 00	
2 Improvement Coupons, due Sept. 15, 1886	60 00	
4 Improvement Coupons, due August 1, 1886	120 00	
15 Improvement Coupons, due October 1, 1886	450 00	
158 City 5 per cent. 10-40 Coupons, due November 1, 1886	3,950 00	
25 Water Coupons, due November 1, 1886	750 00	
68 Water Coupons, due November 1, 1886	2,040 00	
158 City 5 per cent. 20-40 Coupons, due November 1, 1886	3,950 00	
On 1 Water Bond	29 00	
1 E. & P. R. R. Bond	5 83	
10 E. & P. R. R. Bonds	24 93	
1 City Bond to L. & N. R. R.	9 50	
Paid 106 Wharf Coupons, due November 14, 1886	3,180 00	
1 Old Liability Coupon, due Dec. 1, 1886	30 00	
15 School Coupons, due November 1, 1886	450 00	
6 Jail Coupons, due October 1, 1886	180 00	
2 Improvement Coupons, due October 1, 1886	60 00	
1 Improvement Coupon, due April 1, 1886	30 00	
1 Improvement Coupon, due August 1, 1886	30 00	
1 Improvement Coupon, due Dec. 15, 1886	30 00	
5 Old Liability Coupons, due Sept. 1, 1886	175 00	
2 Old Liability Coupons, due October 1, 1886	70 00	
6 Sewer Improvement Coupons, due December 1, 1886	210 00	
4 Jail Coupons, due October 1, 1886	120 00	
On 1 Water Bond	6 50	
3 E. & P. R. R. Bonds	45 50	
3 City Institution Bonds	11 90	
5 City Hall Bonds	59 30	
Carried forward	101,481 68	2,639,200 96

Brought forward	$101,481 68	$2,639,200 96	
On 1 L., N. A. & St. L. A. L. R. R. Bond	2 52		
1 Street Improvement Bond	3 16		
Paid 26 Municipal Improvement Coupons, $10 each, due January 1, 1887	260 00		
29 Municipal Improvement Coupons, $20 each, due January 1, 1887	580 00		
69 Water Coupons, due January 1, 1887	2,070 00		
11 Road Bed Coupons, due January 1, 1887	385 00		
19 Road Bed Coupons, due January 1, 1887	665 00		
76 Reconstruction Coupons, due January 1, 1887	2,660 00		
260 E. & P. R. R. Coupons, due January 1, 1887	9,100 00		
44 Old Liability Coupons, due Dec. 1, 1886	1,320 00		
9 Wharf Coupons, due November 14, 1886	270 00		
4 Wharf Coupons, due December 1, 1886	120 00		
2 Jail Coupons, due October 1, 1886	60 00		
2 School Coupons, due November 1, 1886	60 00		
5 School Coupons, due December 1, 1886	150 00		
29 Improvement Coupons, due Dec. 15, 1886	870 00		
4 Improvement Coupons, due August 25, 1886	120 00		
1 Improvement Coupon, due August 1, 1886	30 00		
1 Improvement Coupon, due Sept. 15, 1885	30 00		
1 Improvement Coupon, due October 1, 1886	30 00		
		120,267 36	
Total		2,759,468 32	

STATEMENT.

FACE OF LEDGER SINKING FUND CITY OF LOUISVILLE, DECEMBER 31, 1886.

	DR.	CR.
Cash	$513,988 63	
Bonds		$9,352,000 00
Bills Receivable	50,000 00	
City Wharf Property	506,500 00	
City 5 per cent. Bonds, "Investment"	741,000 00	
Floating Debt	65,747 98	
Floating Debt, 1879, 1880 and 1881	29,815 74	
Lou. & Nash. R. R. Bonds, "Investment"	16,000 00	
Lou. & Nash. R. R. Co.		4,453 98
Lebanon Br. Ext. R. R. Bonds, "Investment"	51,000 00	
Market-house Property	21,420 04	
Profit and Loss	4,717,995 29	
Stock in Louisville Water Co.	1,274,600 00	
The National Bank of the Republic, "General Coupon Account"	47,337 81	
The National Bank of the Republic, "Account Lou. & Nash. R. R. Co."	2,347 99	
The National Bank of the Republic, "Account Lou. & Nash. R. R. Co., Lebanon Br."	300 00	
U. S. Bonds, "Security"	85,000 00	
Wharf Fill	34,078 20	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1880	33,620 65	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1881	27,390 40	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1882	29,850 82	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1883	32,054 12	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1884	23,561 00	
Back Taxes, prior to January 1, 1879	73,931 04	
City Back Taxes, prior to January 1, 1879	373,588 80	
4 per cent. Municipal Improvement Bonds, "Investment"	200,000 00	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1885	30,048 50	
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1886	40,276 97	
U. S. Bonds, "Investment"	335,000 00	
	9,356,453 98	9,356,453 98

STATEMENT

SHOWING THE ASSETS OF THE SINKING FUND OF THE CITY OF LOUISVILLE, DECEMBER 31, 1886.

Cash	$513,988 63
Bills Receivable	50,000 00
City Wharf Property	506,500 00
741 City 5 per cent. Bonds	741,000 00
16 City Bonds to L. & N. R. R., due April 1, 1887	16,000 00
51 City Bonds to L & N. R. R., Leb. Br. Ext., due Oct. 15, 1893	51,000 00
Market-house Property	21,420 04
Stock in Louisville Water Co.	1,274,600 00
H. W. Kohnhorst, Tax Receiver, Sinking Fund Tax 1880	33,620 65
" " " " " " 1881	27,390 40
" " " " " " 1882	29,850 82
" " " " " " 1883	32,054 12
" " " " " " 1884	23,561 00
" " " " " " 1885	30,048 50
" " " " " " 1886	40,276 97
Back Taxes, prior to January 1, 1879	73,931 04
City Back Taxes, prior to January 1, 1879	373,588 80
100 City 4 per cent. Municipal Improvement Bonds, $500 each, due July 1, 1923	50,000 00
150 City 4 per cent. Municipal Improvement Bonds, $1,000 each, due July 1, 1923	150,000 00
U. S. 4 per cent. Bonds	335,000 00
	4,373,830 97

TABULAR STATEMENT.

SHOWING NET RECEIPTS FROM LICENSES, WHARVES, AND MARKET HOUSES FROM 1883 TO 1886, INCLUSIVE.

SOURCE.	1883.	1884.	1885.	1886.
LICENSE.				
Beer-houses	$4,167 00	$723 00		
Billiards and ten-pins	400 00	3,172 50	$3,297 50	$2,500 00
Boarding-houses	350 50	281 00	190 50	120 00
Brokers	2,220 00	1,930 00	2,060 00	1,020 00
Carts	5,473 50	5,410 25	3,924 00	2,067 75
Cattle-dealers	1,185 00	1,142 50	915 00	917 50
Coal merchants	1,985 25	2,048 50	2,702 50	2,383 25
Coffee-houses	28,827 50	32,880 00	32,647 50	32,782 50
Confectioners	1,576 50	1,390 00	1,345 00	1,257 75
Drays	945 50	850 75	541 25	361 50
Groceries	19,706 50	21,258 50	23,504 75	21,925 30
Hacks	1,371 50	1,402 50	1,354 00	1,261 00
Auctioneers	900 00	751 25	675 00	853 75
Hucksters	1,053 00	942 00	925 00	811 00
Insurance companies	20,250 00	20,107 50	20,250 00	21,300 00
Livery stables	714 50	720 00	644 50	690 00
Lottery offices	8,900 00	8,600 00	8,500 00	10,100 00
Lumber-yards	500 00	610 00	937 00	932 00
Peddlers	5,390 00	5,119 00	6,600 00	6,444 00
Pork-houses	1,650 00	1,350 00	1,400 00	1,250 00
Real estate agents	1,800 00	1,402 50	1,600 00	1,600 00
Shooting galleries	200 00	150 00	87 50	37 50
Shows and exhibitions.	1,240 00	1,040 00	1,960 00	1,050 00
Stores	42,484 72	46,549 04	55,045 75	52,907 40
Taverns	47,280 00	47,173 75	49,238 75	45,994 00
Telephone, telegraph and express co's	1,100 00	950 00	950 00	536 30
Buggies and carriages	2,594 70	468 60	86 00	100 00
Photographers	190 50	171 50	201 00	231 50
Commercial agents	2,490 00	2,006 25	1,873 75	1,845 00
Architects	130 00	150 00	150 00	60 00
Intelligence offices	20 00	20 00	40 00	100 00
Distillers	2,700 00	2,300 00	4,700 00	5,250 00
Dentists	300 50			
Wagons and omnibuses	20,016 75	19,223 00	14,670 25	4,806 50
Central Pass. R. R. Co.	2,695 70	2,975 00	3,549 96	3,441 65
Lou. City R. R. Co.	5,448 65	5,749 27	6,210 78	6,906 80
Kentucky St. R. R. Co.	230 47	360 15	422 08	374 94
Tob. wareh's and deal's	4,226 25	4,800 00	4,875 00	5,151 25
Dogs	8,432 00	8,152 00	8,666 00	8,286 00
Mercantile agents	100 00	100 00	150 00	102 50
Roller skating rinks	105 00	100 00	200 00	100 00
Club-houses	200 00	400 00		1,000 00
Veterinary surgeons	90 00	100 00	90 00	70 50
Clairvoyants	300 00	520 00		
Chiropodists	40 00	40 00	50 00	40 00
Eating-houses	1,103 00	962 50	927 00	960 50
House agents	100 00	75 00	100 00	100 00
Swimming pools	20 00	10 00	10 00	10 00
Banks	6,350 00	6,400 00	6,400 00	6,400 00
Balls and dances	1,090 00	870 00	1,380 00	610 00
	260,644 49	263,907 81	276,047 32	257,049 64

TABULAR STATEMENT. (Continued.)

SOURCE.	1883.	1884.	1885.	1886.
CITY WHARVES.				
Net receipts	. . . . .	. . . . .	$7,773 03	$5,777 47
MARKET-HOUSES.				
Net receipts	$809 26	$421 14	444 61	526 48

RECAPITULATION.

From License	$260,644 49	$263,907 81	$276,047 32	$257,049 64
From Wharves	. . . . .	. . . . .	7,773 03	5,777 47
From Market-houses . .	809 26	421 14	444 61	526 48
	261,453 75	264,328 95	284,264 96	263,353 59

The following is a statement of the taxable property of the city of Louisville for the years 1883, 1884, 1885, and 1886, as valued by the City Assessor:

	1883.	1884.	1885.	1886.
Value of ground . . .	$28,846,737	$28,993,856	$30,581,719	$30,690,026
Improvements	24,225,840	24,253,734	26,399,141	26,967,965
Personal property . . .	2,144,749	925,086	1,376,767	2,215,877
Investments	. . . .	. . .	3,882,242	4,015,126
Residuary	5,004,300	4,127,579	. . . . .	. . . . .
Merchandise . . .	5,401,044	5,141,151	. . . . .	. . . .
Acre property	495,864	485,671	523,592	516,521
	66,118,534	63,927,077	62,763,461	64,405,515

STATEMENT

SHOWING AMOUNT OF FUNDED DEBT FALLING DUE EACH YEAR.

Due in the year	1882	$1,000 00
" "	1883	3,000 00
" "	1887	438,000 00
" "	1888	714,000 00
" "	1889	270,000 00
" "	1891	603,000 00
" "	1892	202,000 00
" "	1893	10,000 00
" "	1894	394,000 00
" "	1896	101,000 00
" "	1897	588,000 00
" "	1898	338,000 00
" "	1901	692,000 00
" "	1903	1,998,000 00
" "	1911	500,000 00
" "	1920	1,000,000 00
" "	1923	1,500,000 00
		9,352,000 00

Four per cent. Bonds	$1,500,000 00
Five per cent. Bonds	1,500,000 00
Six per cent. Bonds	1,774,000 00
Seven per cent. Bonds	4,578,000 00
	9,352,000 00

CONTINGENT BONDED DEBT FOR L. & N. R. R.

333	City Bonds to L. & N. R. R., Lebanon Branch Extension, due October 15, 1893	$333,000 00
101	City Bonds to L. & N. R. R., due April 1, 1887	101,000 00
		434,000 00

ESTIMATE OF RECEIPTS AND EXPENDITURES OF THE SINKING FUND FOR THE YEAR 1887.

RECEIPTS.

Sinking Fund Taxes	$446,598 50	
Back Taxes	40,000 00	
Licenses	258,000 00	
Interest on deposits	15,000 00	
" $200,000 4 per cent. Bonds	8,000 00	
" 741,000 5 per cent. Bonds	37,050 00	
" 67,000 6 per cent. Bonds to June 30	2,010 00	
" 51,000 6 per cent. Bonds to Dec. 31	1,530 00	
" 335,000 U. S. 4 per cent. Bonds	13,400 00	
		$821,588 50

EXPENDITURES.

Interest on $1,500,000 4 per cent. Bonds	$60,000 00	
" 1,500,000 5 per cent. Bonds	75,000 00	
" 1,770,000 6 per cent. Bonds to June 30.	53,100 00	
" 1,332,000 6 per cent. Bonds to Dec. 31.	39,960 00	
" 4,578,000 7 per cent. Bonds	320,460 00	
	548,520 00	
Salaries	15,000 00	
Incidental expenses	2,500 00	
Printing and stationery	1,000 00	
State Taxes	805 00	
School Fund	25,200 00	
Surplus to purchase Bonds	228,563 50	
		821,588 50

BOND TABLE No. I.

SHOWING THE FUNDED DEBT OF THE CITY OF LOUISVILLE DECEMBER 31, 1886, FOR WHAT PURPOSE ISSUED AND WHERE PAYABLE.

DATE.	No. Issued.	TO WHOM PAYABLE.	WHERE PAYABLE.	FOR WHAT PURPOSE ISSUED.	Time—Years.	Interest.	When due.	Amount.	Paid . .	Unpaid.	AMOUNT UNPAID.
April 20, 1852	200	Jeffersonville R. R. Co.	Bank of America, N.Y.	Stock in Jeff. Railroad	30	6	1882	$200,000	199	1	$1,000
April 1, 1853	500	L. & N. R. R. Co.	Mercantile Bank, N.Y.	Stock in L. & N. R. R.	30	6	1883	500,000	497	3	3,000
May 1, 1857	672	Louisville Water Co.	Bank of America, N.Y.	Water Works	30	6	1887	672,000	250	422	422,000
May 1, 1859	284	" "	" "	" "	30	6	1889	284,000	85	199	199,000
October 17, 1862	10	Rogers' heirs	Mercantile Bank, N.Y.	Wharf	30	6	1892	10,000	5	5	5,000
February 2, 1863	15	" "	" "	"	30	6	1893	15,000	5	10	10,000
August 25, 1866	33½	B. McAtee	Sinking Fund Office	Street Improvement	30	6	1896	33,500	2½	31	31,000
September 15, 1866	21½	J. D. Selvage	" "	" "	30	6	1896	21,500	8½	13	13,000
October 1, 1866	39½	W. Duckwall	" "	" "	30	6	1896	39,500	19½	20	20,000
December 15, 1866	40	P. Pfeiffer	" "		30	6	1896	40,000	3	37	37,000
May 1, 1867	100	Bearer	" "	Schools	20	6	1887	100,000	84	16	16,000
July 1, 1867	500	Louisville Water Co.	Bank of America, N.Y.	Water Works	30	6	1897	500,000	1	499	499,000
August 1, 1867	300	Bearer	Sinking Fund Office	Street Improvement	30	6	1897	300,000	211	89	89,000
May 14, 1868	175	Rowan's heirs	" "	Wharf	30	6	1898	175,000	51	124	124,000
July 1, 1868	154	Bearer	" "	Sewers	30	6	1898	154,000	73	81	81,000
August 5, 1868	67	"	" "	Wharf	20	6	1888	67,000	51	16	16,000
October 1, 1868	150	"	" "	New Jail	30	6	1898	150,000	17	133	133,000
October 1, 1868	1000	E. & P. R. R. Co.	Bank of America, N.Y	Stock in E. & P. Railroad	20	7	1888	1,000,000	306	694	694,000
December 1, 1868	29	Bearer	Sinking Fund Office	Wharf	20	6	1888	29,000	25	4	4,000
June 1, 1869	300	"	" "	Old Liabilities	20	6	1889	300,000	246	54	54,000
June 1, 1869	50	"	" "	Schools	20	6	1889	50,000	33	17	17,000
April 1, 1871	250	* "	" "	City Hall	20	7	1891	250,000	128	122	122,000
April 1, 1871	200	"	" "	Old Liabilities	30	7	1901	200,000	81	119	119,000
June 1, 1871	425	"	Bank of America, N.Y.	Sewer Improvement	30	7	1901	425,000	2	423	423,000
July 1, 1871	150	"	" "	Road-bed	30	7	1901	150,000	. . .	150	150,000
September 1, 1871	500	"	" "	Stock in L., N. A. & St. L. R. R.	20	7	1891	500,000	19	481	481,000
June 1, 1872	200	"	" "	City Institution	20	7	1892	200,000	3	197	197,000
January 1, 1873	1000	"	" "	Stock in E. & P. R. R.	30	7	1903	1,000,000	2	998	998,000
April 1, 1873	200	"	" "	City Hall	30	7	1903	200,000	. . .	200	200,000
July 1, 1873	600	"	" "	Reconstruction	30	7	1903	600,000	. . .	600	600,000
July 1, 1873	200	"	" "	Road-bed	30	7	1903	200,000	. . .	200	200,000
March 1, 1874	400	"	" "	Old Liabilities	20	7	1894	400,000	6	394	394,000
May 1, 1880	500	"	" "	" "	40	5	1920	500,000	. . .	500	500,000

May 1, 1880	500	"	" "	" "	40	5	1920	500,000		500	500,000
July 1, 1883	1000	"	U. S. Nat. Bank, N. Y.	Municipal Improvements.	40	4	1923	500,000		500	500,000
July 1, 1883	1000	"	" "	" "	40	4	1923	1,000,000		1000	1,000,000
August 1, 1886	500	"	Nat. Bank of R'p'blic, N.Y	Old Liabilities	25	5	1911	500,000		500	500,000
											9,352,000

*Principal and interest payable in New York, per agreement when Bonds were sold.

RECAPITULATION.

School Bonds unpaid	$33,000 00
Old Liability Bonds unpaid	2,067,000 00
Bonds for Railroads unpaid	2,527,000 00
Sewer Bonds unpaid	504,000 00
Water Bonds unpaid	1,120,000 00
Wharf Bonds unpaid	159,000 00
Street Improvement Bonds unpaid	799,000 00
Bonds for Public Buildings unpaid	652,000 00
Municipal Improvement Bonds unpaid	1,500,000 00
	9,352,000 00

Four per cent. Bonds	$1,500,000 00
Five per cent. Bonds	1,500,000 00
Six per cent. Bonds	1,774,000 00
Seven per cent. Bonds	4,578,000 00
	9,352,000 00

Total interest payable in 1886	$546,060 00
Total interest payable in 1887	548,520 00

Debt bearing interest	$9,348,000 00
Debt on which interest has ceased	4,000 00
	9,352,000 00

BOND TABLE No. II.

SHOWING THE ORDER IN WHICH CITY BONDS MATURE.

DATE.	FOR WHAT PURPOSE ISSUED.	Per cent.	Number Unpaid.	When Due.	WHERE PAYABLE.	AMOUNT.
April 20, 1852	Jeffersonville Railroad	6	1	1882	Bank of America, N.Y.	$1,000
April 1, 1853	City Subs. to L. & N. R. R.	6	3	1883	Mercantile Bank, N.Y.	3,000
May 1, 1857	Water Company	6	422	1887	Bank of America, N.Y.	422,000
May 1, 1867	Schools	6	16	1887	Sinking Fund Office	16,000
August 5, 1868	Wharf	6	16	1888	" "	16,000
October 1, 1868	E. & P. R. R.	7	694	1888	Bank of America, N.Y.	694,000
December 1, 1868	Wharf	6	4	1888	Sinking Fund Office	4,000
May 1, 1859	Water Company	6	199	1889	Bank of America, N.Y.	199,000
June 1, 1869	Old Liabilities	6	54	1889	Sinking Fund Office	54,000
June 1, 1869	Schools	6	17	1889	" "	17,000
April 1, 1871	*City Hall	7	122	1891	" "	122,000
September 1, 1871	L., N. A. & St. L. A.-L. R. R.	7	481	1891	Bank of America, N.Y.	481,000
June 1, 1872	City Institution	7	197	1892	" "	197,000
October 17, 1862	Wharf	6	5	1892	Mercantile Bank, N.Y.	5,000
February 2, 1863	"	6	10	1893	" "	10,000
March 1, 1874	Old Liabilities	7	394	1894	Bank of America, N.Y.	394,000
August 25, 1866	Street Improvement	6	31	1896	Sinking Fund Office	31,000
September 15, 1866	" "	6	13	1896	" "	13,000
October 1, 1866	" "	6	20	1896	" "	20,000
December 15, 1866	" "	6	37	1896	" "	37,000
July 1, 1867	Water Company	6	499	1897	Bank of America, N.Y.	499,000
August 1, 1867	Street Improvement	6	89	1897	Sinking Fund Office	89,000
May 14, 1868	Wharf	6	124	1898	" "	124,000
July 1, 1868	Sewers	6	81	1898	" "	81,000
October 1, 1868	New Jail	6	133	1898	" "	133,000
April 1, 1871	Old Liability	7	119	1901	" "	119,000
June 1, 1871	Sewer Improvement	7	423	1901	Bank of America, N.Y.	423,000
July 1, 1871	Road-bed	7	150	1901	" "	150,000
January 1, 1873	E. & P. R. R.	7	998	1903	" "	998,000
April 1, 1873	City Hall	7	200	1903	" "	200,000
July 1, 1873	Reconstruction	7	600	1903	" "	600,000
July 1, 1873	Road-bed	7	200	1903	" "	200,000
May 1, 1880	Old Liabil. 5 per cent. 10-40	5	500	1920	" "	500,000
May 1, 1880	" 5 per cent. 20-40	5	500	1920	" "	500,000
July 1, 1883	Municipal Improvements	4	1000	1923	The U.S. Nat. B'k, N.Y.	500,000
July 1, 1883	" "	4	1000	1923	" " "	1,000,000
August 1, 1886	Old Liabilities	5	500	1911	Nat. B'k of Rep, N.Y.	500,000
						9,352,000

*Principal and interest payable in New York, per agreement when Bonds were sold.

BOND TABLE No. III.

SHOWING BONDS ISSUED BY CITY OF LOUISVILLE TO BE PAID BY RAILROAD COMPANIES.

DATE.	No.	TO WHOM ISSUED.	Rate per ct.	FOR WHAT PURPOSE.	Years . . .	DUE.	WHERE PAYABLE.	AMOUNT.	PAID.	UNPAID.	AMOUNT UNPAID.
April 1, 1857	250	L. & N. R. R. . .	6	L. & N. R. R. . . .	30	1887	Bank of America, N.Y. . .	$250,000	149	101	$101,000
October 15, 1863	600	" " . .	6	Leb. Br. Ex. R. R. .	30	1893	Sinking Fund Office . . .	600,000	267	333	333,000
	850							850,000	416	434	434,000

TABLE

Showing Interest upon Funded Debt City of Louisville, accruing each Month in 1887.

Date.	Number Bonds.	Kind of Bond.	Denomination.	Rate.	Where Payable.	Payable by S. Fund.	Total.
Jan. & July 1 . .	350	Road-bed	$1,000	7	Bank America, N.Y.	$12,250	
" " 1 . .	600	Reconstruction	1,000	7	" . . .	21,000	
" " 1 . .	998	E. & P. R. R.	1,000	7	" . . .	34,930	
" " 1 . .	499	Water	1,000	6	" . . .	14,970	
" " 1 . .	81	Sewer	1,000	6	S. Fund Office . . .	2,430	
" " 1 . .	1000	Municipal Improv't. .	1,000	4	U.S. Nat. Bank, N.Y.	20,000	
" " 1 . .	1000	" " .	500	4	" " . .	10,000	
							$115,580
Feb & Aug. 1 . .	500	Old Liability	1,000	5	Nat. B'k of Rep., N.Y.	$12,500	
" " 1 . .	89	Street Improvement .	1,000	6	S. Fund Office . . .	2,670	
" " 2 . .	10	Rogers Wharf	1,000	6	Mercantile B'k, N.Y.	300	
" " 5 . .	16	Wharf	1,000	6	S. Fund Office . . .	480	
" " 25 .	31	Street Improvement .	1,000	6	" . . .	930	
							16,880
Mar. & Sep. 1 . .	481	L., N. A. & St. L. R'd .	1,000	7	Bank America, N. Y.	$16,835	
" " 1 . .	394	Old Liability	1,000	7	" . . .	13,790	
" " 15 . .	13	Street Improvement .	1,000	6	S. Fund Office . . .	390	
							31,015
Apr. & Oct. 1 . .	322	City Hall	1,000	7	Bank America, N. Y.	$11,270	
" " 1 . .	694	E. & P. R. R.	1,000	7	" . . .	24,290	
" " 1 . .	20	Street Improvement .	1,000	6	S. Fund Office . . .	600	
" " 1 . .	133	New Jail	1,000	6	" . . .	3,990	
" " 1 . .	119	Old Liability	1,000	7	" . . .	4,165	
" " 17 . .	5	Wharf	1,000	6	Mercantile B'k, N.Y.	150	
							44,465
May & Nov. 1 . .	621	Water	1,000	6	Bank America, N. Y.	$18,630	
" " 1 . .	16	School	1,000	6	S. Fund Office . . .	480	
" " 1 . .	500	City 5 per ct. 10-40s. .	1,000	5	Bank America, N. Y.	12,500	
" " 1 . .	500	City 5 per ct. 20-40s. .	1,000	5	" . . .	12,500	
" " 14 . .	124	Wharf	1,000	6	S. Fund Office . . .	3,720	
							47,830
June & Dec. 1 . .	197	City Institution . . .	1,000	7	Bank America, N. Y.	$6,895	
" " 1 . .	423	Sewer Improvement .	1,000	7	" . . .	14,805	
" " 1 . .	17	School	1,000	6	S. Fund Office . . .	510	
" " 1 . .	54	Old Liability	1,000	6	" . . .	1,620	
" " 1 . .	4	Wharf	1,000	6	" . . .	120	
" " 15 . .	37	Street Improvement .	1,000	6	" . . .	1,110	
							25,060

Interest from January 1 to June 30, 1887 . . . . . $280,830 00
Interest from July 1 to December 31, 1887 . . . . . 267,690 00

Total interest payable in 1887 . . . . . 548,520 00

Bonds Issued by City of Louisville to be Paid by Louisville & Nashville Railroad Company.

Date.	Number.	On What Account.	Rate.	Where Payable.	Amount
October and April 15 .	333	Lebanon Branch Ext. R. R.	6	S. Fund Office . .	$9,990
April 1	101	L. & N. Railroad	6	B'k of Am'ca, N.Y.	3,030
	434				

LOUISVILLE WATER COMPANY.

TWENTY-NINTH ANNUAL REPORT

OF THE

PRESIDENT AND DIRECTORS

TO THE

STOCKHOLDERS

FOR THE

YEAR ENDING DECEMBER 31, 1886.

OFFICERS.

PRESIDENT.

CHARLES R. LONG.

DIRECTORS.

J. W. STORY,
T. L. BURNETT,
W. W. SMITH,
CHARLES R. LONG,
J. C. GILBERT,
L. S. REED.

TREASURER.

W. P. McDOWELL.

SECRETARY.

J. B. COLLINS.

CHIEF ENGINEER AND SUPERINTENDENT.

CHARLES HERMANY.

PRESIDENT'S REPORT.

LOUISVILLE, KY., January 1, 1887.

To the Stockholders of the Louisville Water Company:

GENTLEMEN: We respectfully submit this the twenty-ninth annual report for the year ending December 31, 1886.

The receipts are as follows, to-wit:

From water rents	$243,346 07	
Less water rents refunded on vacancies	5,387 42	
Net		$237,958 65
Incidental revenue from other sources		3,002 84
Total receipts of revenue for the year		$240,961 49
Balance of cash on hand January 1, 1886		75,562 41
Total receipts and cash balance from 1885		$316,523 90

The disbursements for the year as follows, to-wit:

For pipe system		$30,971 46
For expense of conducting works		58,516 91
For consumers' deposits returned		181 40
For interest on bonded debt		51,714 24
For pumping station repairs, etc		6,508 68
For real estate improvements		823 95
For pipeway repairs		235 02
For improvements of Crescent Hill reservoirs		739 39
For improvements of grounds and roads		269 09
For contingent expenses		1,058 45
For new pumping station		10,724 29
For new pumping engine No. 3		100 80
For Sinking Fund payments		62,624 37
Total disbursements for the year		$224,468 05
Cash on hand Bank of Commerce, and in office	$70,840 20	
Cash on hand U. S. National Bank, N. Y	21,215 65	
		92,055 85
Total disbursements and cash on hand as of this date Jan. 1, 1887		$316,523 90

The above interest account on bonded debt of $51,714.24, covers such of the interest coupons of 1885 amounting to $21,240.00 not remitted from New York by the United States National Bank in time to appear in last annual report, and the remainder of $30,420.00 is for interest coupons paid at the office of the company for April and

October, 1886, and coupons for April paid in New York through the United States National Bank, and instead of the cash balance of $21,215.65 in the United States National Bank in New York, said bank has paid the balance of the interest coupons due October 2, 1886, but has not returned same to this office, amounting to $21,090.00, which would reduce the actual cash balance in said bank to $125.65, and increase the total payment of interest account proper to $72,804.24. The total annual interest on issue of bonds October, 1876, covering the $840,000 par value outstanding, and the $60,000 par value purchased by the company's Sinking Fund and destroyed amounts to $54,000, but on account of not getting prompt remittances from New York of the October coupons, the cash balance in the United States National Bank and the interest account stands as above shown under the head of disbursements.

The net increase of revenue for this year over the preceding year is $14,291.37.

The disbursements for this year over the preceding year are $67,240.75 which is chiefly on account of investing $62,624.37 for the company's Sinking Fund in the purchase of city and other bonds as against $3,947.85 the preceding year, and also on account of larger payment of bonded interest account of $51,714.24 for this year, as against $33,325.66 paid on interest account the preceding year, which account is referred to and more fully explained above. The disbursements for conducting the works and business of the company are $1,695.45 less than the preceding year.

The total number of service connections to consumers now aggregate 10,100, being an increase of 535 for the year, which shows the constant, steady, and permanent growth of the city as also the business of the company. The total outstanding bonds of the company aggregate $840,000, the Sinking Fund of the company having purchased and destroyed $60,000 of the issue.

On account of the superior credit of the company and the well-known character of its bonds, the market price has ranged so much higher than the city's six per cents. or any other six per cents. issued in the State of Kentucky, and so few at any time on the market here or East that we have been unable to buy our own bonds for the purposes of the company's Sinking Fund; therefore, we have been buying city bonds and some other bonds of first-class security, at prices much below that of the company's bonds, that will net a higher rate of interest on the prices paid.

The available assets of the company's Sinking Fund at the par or face value of the securities held, including the sixty bonds of the

company's issue purchased and destroyed aggregates $177,050 00; while under the provisions of the mortgage the amount required to be in the company's Sinking Fund of this date is $150,050.43, which shows the strength of the Sinking Fund to be $26,999.57 in excess of requirements.

After deducting such of the October coupons paid by the United States National Bank, but not reported in time for the close of the year's business, which when deducted from the cash balance to the credit of the company in said bank, the net actual cash surplus at the close of the year's business is $70,965.85, which surplus with all additional surplus revenues of the company under wise and economical management for some years to come will have to be strictly applied, and is necessary to the payment of the cost of building the new pumping station and engine, which improvement is in partial process of construction, and there has already been expended for this purpose $30,486.86.

In addition to these needed improvements, the company during the early history of its business laid four inch supply mains in some of the streets of the city, that on account of the growth of consumption of water to meet the wants of consumers, and for the free public fire service of the city, are inadequate to a proper supply; hence, it will be necessary to substitute larger supply mains as judiciously as the financial resources of the company will from time to time justify.

In addition to these above-mentioned necessary improvements, the question of a pure and healthy water-supply is pressing the attention and taxing the practical judgment of all intelligent water boards, health boards, health officers, sanitarians, and eminent physicians and scient sts of the country, until it is no longer a question of subordinate importance, but the *leading question*, both as a matter of duty and expediency, to promote and protect the lives, health, and comfort of citizens in all large cities; therefore, it is the incumbent duty of this company to be watchful of all practical developments, and careful to adopt any feasible method that will lead to or secure a purer, better, and healthier water supply, which if done the consumption would be largely increased, and preventible diseases greatly diminished to the extent of improved supply, together with the disuse of the wells of the city.

There can be no question that the water courses of the country from which the cities draw their water supply are, from year to year becoming more dangerously impregnated with filthy and poisonous matters, growing out of the more thoroughly perfected systems of drainage and sewerage constantly being increased by the towns and

cities located on our rivers, growth of population also considered. The Ohio river is not an exception to this unpleasant source of water pollution, for the great strides made by all the cities and larger towns on the Ohio river during the last twenty-five years in the direction of sewer drainage, supplanting in a great measure the vault system, greatly affects the question of a pure water-supply, and in time will seriously jeopardize the health and lives of citizens. The gravity and importance of this matter commands but little, if any, attention from the great mass of citizens, hence, the greater responsibility resting upon the management of Water Companies and Health Boards in giving special and practical attention in this direction, with the view of determining the best possible remedy for solving the problem of a pure healthy water-supply, by practical and successful filtration on a large scale adapted to city distribution, and with this view, thorough and hearty co-operation ought to exist between Water Companies and Boards of Health generally.

When the above specified improvements are completed and the question of a pure water-supply is definitely determined, the water rates of this company should not at any time be adjusted to accumulate a surplus revenue for the payment of dividends to the Sinking Fund of the City of Louisville with resources already far beyond its necessities, but be so fixed as to furnish an abundance of pure water at the cheapest possible rates for domestic uses and manufacturing purposes, under a wise and economical management on a simply self-sustaining basis commensurate with the wants and growth of the city; therefore, as to the above defined policy of this company under its present management, as against a policy of water rates for *dividends*, to further swell the large revenues of the Sinking Fund of the City of Louisville, there can be but one sensible conclusion and that is to support the policy and management of this company.

It is true the Sinking Fund of the City of Louisville owns the stock of this company except a couple of shares, but it is also true that this company furnishes a *free* water-supply to the City of Louisville covering her public fire-cisterns, hydrants, engine-houses, police station-houses, City Hall, hospital, jail, court house, and public fountains aggregating a value annually of about thirty thousand dollars, besides which the Company keeps in repair at considerable expense, the valves and connections to all the public fire-cisterns, many of which are broken by firemen during each year, the burden of all which is borne by the water paying consumers for the general benefit of the city and citizens, and in this way we think this company contributes its equitable portion of the burdens of municipal government.

Just prior to the close of the year we addressed a communication to the Board of Sinking Fund commissioners to-wit:

"LOUISVILLE, KY., December 18, 1886.

"*Hon. John B. Smith, President Sinking Fund, City of Louisville:*

"DEAR SIR: As president of the Louisville Water Company, I respectfully request that the Board of Sinking Fund Commissioners appoint a committee or a competent expert accountant to thoroughly examine the affairs and business management of this company from January 1, 1875, to January 1, 1887, and report fully as to whether the books and accounts are properly and honestly kept, the affairs and business of the company honestly and economically managed, and the trusts faithfully and efficiently administered. We have the honor to remain

"Yours very respectfully,

"LOUISVILLE WATER COMPANY.

"BY CHAS. R. LONG, *President.*"

In compliance with the above request the examination was ordered to be made, and we have held up the publication of this report in order that the report of the expert making the examination could be embodied herewith, which is as follows, to-wit:

"LOUISVILLE, KY., March 28, 1887.

"*Hon. John B. Smith, President Sinking Fund Commissioners, City of Louisville, Ky.*

"SIR: In compliance with the action of your honorable body authorizing examination of the affairs of the Louisville Water Company, I herewith respectfully submit the following, viz: The secretary's books and the treasurer's books of original entry of all receipts and disbursements since last examination (December 1, 1873, to January 1, 1887) have been carefully and thoroughly examined in every detail and found correct as per balance sheet hereto annexed. The system here necessarily requires considerable detail, yet not complex, but very complete; the accounts are well and properly kept, and the affairs and business of the company honestly and economically managed, and the trust faithfully and efficiently administered by a corps of competent officials.

"The business of the company is systematized in a thorough, practical manner and under the control of a Board of Directors of excellent business judgment, and the city and citizens and your honorable body are to be congratulated in having this important public trust in the hands of such gentlemen.

"Very respectfully,

"E. M. GETMAN, *Examiner.*"

The balance sheet referred to in the above report is as follows, to-wit:

LEDGER BALANCES.

Stock		$1,275,100 00
Fines		1,184 50
Coal houses	$6,591 23	
Turning off and on		8 00
Stand-pipe and tower	52,594 79	
Bond expense	17,214 19	
Carried forward	$76,400 21	$1,276,292 50

Brought forward	$76,400 21	$1,276,292 50
Engine house, chimneys, etc	128,295 37	
Water Company's bonds		840,000 00
Sinking Fund Commissioner's cash	786 95	
Sinking Fund	117,050 00	
Engine and pumps	206,669 13	
Pipe system	2,192,074 50	
Cash	70,840 20	
Reservoir No. 1	89,792 32	
United States National Bank	21,215 65	
Road fences, etc	53,513 78	
Water rent		3,615,267 08
Pipeway	86,460 11	
Interest	665,997 92	
Contingent expenses	77,018 74	
Crescent Hill Reservoir	792,800 70	
Pumping Engine No. 3	5,624 64	
Incidental revenue		29,728 80
Profit and loss	227 33	
Deposits		751 00
New pumping station	24,862 22	
Real estate	122,018 41	
Expense conducting works	963,809 76	
Improvements around buildings	24,700 97	
Inlet and river works	41,853 47	
	$5,762,039 38	$5,762,039 38

This report speaks for itself, and needs no comment at our hands, and will only add that the above balance sheet agrees exactly with that of the Treasurer of this company as submitted elsewhere in his report herewith.

For further information more in detail you are respectfully referred to the accompanying reports of the Treasurer, Chief Engineer, and Superintendent. Respectfully submitted,

CHAS. R. LONG, *President.*

TREASURER'S REPORT.

OFFICE OF THE LOUISVILLE WATER COMPANY,
LOUISVILLE, KY., January 1, 1886.

To the President and Directors of the Louisville Water Company:

GENTLEMEN: The following report of the finances of the company, and of the cost of the works to December 31, 1886, is most respectfully submitted:

CASH ACCOUNT, 1886.

January 1, 1886, balance on hand	$53,214 56	
January 1, 1885, balance in U. S. Nat'l. Bank, N. Y.	22,347 85	
		$75,562 41
RECEIPTS DURING 1886.		
Water rent	$243,346 07	
Pipe system	883 07	
Expense conducting works	77 50	
Incidental revenue	1,875 80	
Deposits	40 00	
Interest	50 57	
Fines	6 00	
Coal houses	64 90	
Inlet and river works	5 00	
		246,348 91
Total		$321,911 32
EXPENDED DURING 1886.		
Water rent	$5,387 42	
Pipe system	30,971 46	
Expense conducting works	58,516 91	
Deposits	181 40	
Interest	51,714 24	
Coal houses	161 50	
Inlet and river works	1,021 05	
Real estate	823 95	
Pumping engine No. 3	100 80	
Engines and pumps	3,926 11	
Engine house, chimneys, etc	249 09	
Stand-pipe and tower	1,150 93	
Carried forward	$154,204 86	$321,911 32

Brought forward	$154,204 86	$321,911 32
Pipeway	235 02	
Crescent Hill Reservoir	739 39	
Roads, fences, and improvements	269 09	
Contingent expenses	1,058 45	
New pumping station	10,724 29	
Sinking Fund Commissioners' cash	62,624 37	
		229,855 47
Balance		$92,055 85
January 1, 1887, balance cash on hand	$70,840 20	
January 1, 1887, balance in U. S. Nat'l Bank, N. Y.	21,215 65	
		92,055 85

LEDGER BALANCES.

Stock		$1,275,100 00
Turning on and off		8 00
Bond expense	$17,214 19	
Water Company's bonds		840,000 00
Profit and loss	227 33	
Water rent		3,615,267 08
Pipe system	2,192,074 50	
Expense conducting works	963,809 76	
Incidental revenue		29.728 80
Deposits		751 00
Interest	665,997 92	
Fines		1,184 50
Coal houses	6,591 23	
Inlet and river works	41,853 47	
Real estate	122,018 41	
Pumping engine No. 3	5,624 64	
Engines and pumps	206,696 13	
Engine house, chimneys, etc.	128,295 37	
Stand-pipe and tower	52,594 79	
Pipeway	86,460 11	
Crescent Hill Reservoir	792,800 70	
Roads, fences, and improvements	53,513 78	
Contingent expenses	77,018 74	
New pumping station	24,862 22	
Improvements around buildings	24,700 97	
Reservoir No. 1	89,792 32	
Sinking Fund Commissioner's cash	786 95	
Sinking Fund	117,050 00	
Cash	70,840 20	
United States National Bank, N. Y.	21,215 65	
	$5,762,039 38	$5,762,039 38

COST OF WORKS TO JANUARY 1, 1887.

Pipe system	$2,192,074 50
Expense conducting works	963,809 76
Coal houses	6,591 23
Inlet and river works	41,853 47
Real estate	122,018 41
Pumping engine No. 3	5,624 64
Engines and pumps	206,696 13
Engine house, chimneys, etc.	128,295 37
Stand-pipe and tower	52,594 79
Pipeway	86,460 11
Crescent Hill Reservoir	792,800 70
Roads, fences, and improvements	53,513 78
Contingent expenses	77,018 74
New pumping station	24,862 22
Improvements around buildings	24,700 97
Reservoir No. 1	89,792 32
	$4,868,707 14

RECAPITULATION No. 1.

ASSETS.

Water Works property—		
Pipe system	$2,192,074 50	
Coal houses	6,591 23	
Inlet and river works	41,853 47	
Real estate	122,018 41	
Pumping Engine No. 3	5,624 64	
Engines and pumps	206,696 13	
Engine house, chimneys, etc	128,295 37	
Stand-pipe and tower	52,594 79	
Pipeway	86,460 11	
Crescent Hill Reservoir	792,800 70	
Roads, fences, and improvements	53,513 78	
New pumping station	24,862 22	
Improvements around buildings	24,700 97	
Reservoir No. 1	89,792 32	
Total	$3,827,878 64	
Less repairs	232,093 41	
		$3,595,785 23
Sinking Fund		117,836 95
Cash in Louisville and New York		92,055 85
Carried forward		$3,805,678 03

Brought forward			$3,805,678 03	

LIABILITIES.

Capital stock				$1,275,100 00
Water Company's bonds				840,000 00
Deposits				751 00
Profit and Loss—				
Turning on and off, to credit		$8 00		
Water rent, to credit		3,615,267 08		
Incidental revenue, to credit		29,728 80		
Fines		1,184 50		
Contra—				
Bond expense	$17,214 19			
Profit and Loss	227 33			
Expense conducting works	963,809 76			
Interest	665,997 92			
Contingent expenses	77,018 74			
Repairs	232,093 41			
Gain invested in pipe extension, construction, and Sinking Fund	1,689,827 03			1,689,827 03
	$3,646,188 38	$3,646,188 38	$3,805,678 03	$3,805,678 03

RECAPITULATION No. 2.

ASSETS.

Water Works property valued at cost, less repairs		$3,595,785 23
Sinking Fund		117,836 95
Cash in New York and Louisville		92,055 85

LIABILITIES.

Capital stock		$1,275,100 00
Water Company's bonds		840,000 00
Deposits		751 00
Profit and loss (gain invested, pipe extension, construction, and Sinking Fund		1,689,827 03
	$3,805,678 03	$3,805,678 03

W. P. McDOWELL,
Treasurer.

ENGINEER AND SUPERINTENDENT'S REPORT.

ENGINEER'S OFFICE LOUISVILLE WATER COMPANY,
LOUISVILLE, KY., January 1, 1887.

To the President and Directors of the Louisville Water Company:

GENTLEMEN: Herewith is presented the Engineer and Superintendent's report for the year ending December 31, 1886.

REAL ESTATE.

EXPENDITURES.

OFFICE BUILDING No. 549—		
Insurance	$14 40	
Glazing	75	
Repair window sash	30	
Braided sash cord	15	
Plating and putting on escutcheon	75	
Repair tile floor	2 80	
Repair grate	50	
Repair locks and fitting keys	1 35	
Repair bells	1 00	
Walnut desk for telephone orders	5 00	
Labor putting up gas fixtures for telephone orders	5 30	
One two-swing bracket for telephone orders	60	
9½ feet ¼-inch pipe for telephone orders	65	
Small fittings for telephone orders	15	
Repair furnace	10 40	
152 lbs. castings at 8 cents	12 16	
Bolts, cement, and cartage	88	
One quire sand paper	25	
Nails	15	
Sodding front yard	1 92	
Labor cleaning snow off roof	40	
		$59 86
OFFICE BUILDING No. 551—		
Three window awnings	15 00	
Labor putting up gas fixtures	2 65	
Three two-swing brackets	2 10	
15⅓ feet ⅜ inch pipe	80	
⅜ inch brass crotch	25	
Small fittings	40	
Carried forward	$21 20	$59 86

Brought forward	$21 20	$59 86
Repair furnace	10 40	
151 lbs. castings at 8 cents	12 08	
Bolts, cement, and cartage	87	
One 12x15 inch register	3 50	
Weather strips	1 68	
One 4-light sash for water-closet door	3 60	
Repair locks and fitting keys	1 30	
Repair bell	1 65	
Labor thaw out and repair pipes	10 27	
Sodding front yard	3 85	
		70 40
TENEMENT NO. 545—		
Painting front of building	25 00	
Repair and set grate	2 50	
		27 50
TENEMENTS RESERVOIR NO. 1—		
Repair fences	56 75	
Fifty-two cedar posts 8 feet	18 20	
2,066 feet fencing boards	51 20	
Hauling	3 00	
Thirty-two feet dressed lumber	97	
Forty-nine lbs. nails	1 85	
144 screws	75	
Fifty butts and washers	1 70	
Pair strap hinges	15	
Seven hooks and staples	35	
Regraining doors, painting wood-work and roof	451 00	
Painting cornice gutters	20 00	
Twenty-five feet 3-inch pipe	2 50	
Labor repair service pipes	13 10	
Labor repair brick paving	17 32	
		638 84
STORE HOUSE—		
On account of painting roof	25 00	
Four padlocks	1 00	
Six lbs. nails	25	
Key ring	20	
Saw blade	10	
Labor repair bowlder paving	80	27 35
		$823 95

Construction	$17 90
Repairs	806 05
	$823 95

INLET AND RIVER WORK.

This comprises the structures, pipes, gates, and screens through which the water from the river is conducted into the pump-wells. As the annual consumption of water increases, so do the care and attention required to keep the inlet-pipe clean from river silt increase. This line of pipe is fifty inches in diameter, and about two hundred and sixty feet long, and is annually found, after the winter and spring floods in the river, filled with silt, roots, sticks, and leaves, packed so firmly as to require men to be sent through the pipe to remove it. Last summer some portions of the pipe were found nearly full of this stuff. The deposits named accumulate on the lower floors of the house, in the wells, in the guard-well, lodge against and obstruct the screens as well as cause them to break. Additions and alterations have been made, during the past season, which will somewhat facilitate these annual cleanings and repairs.

EXPENDITURES.

Labor setting up boiler and pump	$11 75	
Crank and stud	2 55	
One ⅛-inch drip cock	25	
4½-inch pump spring	65	
Ring for yoke	30	
Four bushings and facing same, 91 lbs.	4 08	
Six 1-inch bolts	2 20	
Gaskets, 4½ lbs.	35	
Small fittings	73	
Labor cleaning out inlet	58 80	
Three hexagonal nuts, struts for supporting Y inside	1 50	
Three 2-inch rods, 135 lbs., struts for suppporting Y inside	7 65	
Six washers, 71 lbs., struts for supporting Y inside	4 23	
Labor raising wall of inlet well	231 18	
Labor quarrying rock	14 88	
Stonemasons	32 50	
Bricklayers	44 55	
Two hundred and eight square feet 12-inch stone coping	187 25	
Forty-four barrels cement	48 40	
Twelve loads sand	21 00	
Labor on embankment for inlet well	83 00	
One hundred and nineteen cubic yards rip-rap stone on embankment for inlet well, at $1.35	160 65	
Labor putting on same	16 50	
Six wheelbarrows	10 00	
Labor repairing platform over inlet	23 30	
Two thousand feet 1-inch oak boards	50 00	
One hundred and ten lbs. nails	2 80	
		$1,021 05
Cr. By sale of fifty empty cement bbls.		5 00
		$1,016 05

Construction	$844 91
Repairs	171 14
	$1,016 05

ENGINES AND PUMPS.

The following tables exhibit in detail the work performed by the pumping engines.

The *duty* reported for the engines has been computed by the following formula:

$$\frac{G \times 8.34 \times 100}{W} \times H = D.$$ In which

G=The number of (U. S.) gallons of water elevated.

W=The gross weight of coal, in pounds, used for generating steam and banking fires—no deduction for ashes or cinders.

H=The monthly average difference of water level between river surface and water in stand-pipe, determined from daily observation.

D=The duty in pounds of water raised one foot high per 100 pounds of coal.

8.34 pounds, weight per gallon of water.

All the machinery, embracing main engines, Blake pumps, and the boilers, is in good and efficient working order, and it has been worked the whole year without an accident.

SCHEDULE

ENGINE RECORD FOR

MONTHS OF THE YEAR.	Number of pumping days	Average pumping time per day	Total pumping time per month	Total number of engine and pump strokes per month	Average No. of strokes per minute	COAL: Raising steam
1886.	DAYS.	H. M.	H. M.	STROKES.	STR'KES	POUNDS.
January	20	22 09	443 00	200,857	7.56	. . .
February	28	22 08	619 30	292,465	7.87	921
March	31	23 20	723 30	341,610	7.87	. . .
April	29	21 09	613 30	299,778	8.14	1,489
May	31	19 50	615 00	297,084	8.05	842
June	30	20 01	600 30	287,408	8.00	850
July	31	23 17	722 00	343,945	7.94	750
August	31	23 09	717 30	324,865	7.54	600
September	30	22 23	671 30	309,020	7.67	800
October	31	19 49	614 15	274,492	7.45	1,928
November	24	17 10	412 00	182,608	7.39	815
December	31	23 51	739 30	327,465	7.38	2,042
Totals and averages	347	21 35	7,491 45	3,481,597	7.75	11,037
NORTH BLAKE PUMPS.						
January	24	21 45	522 00	381,447	12.18	1,712
February	4	20 30	82 00	61,199	12.44	. . .
March	13	20 29	266 15	255,566	16.00	1,864
November	7	18 06	126 40	122,531	16.12	993
Totals and averages	48	20 46	996 55	820,743	13.72	4,569

EDMUND J. JAMES

No. 1.—*A*.

1886—East Engine.

CONSUMED IN		Ashes, cinders, and clinkers	Quantity of water pumped each month in the year	Average height of water in stand-pipe above low water in river	Average stage of river above low water	Average head against pumps	Monthly engine duty in pounds of water raised one foot high per 100 pounds of coal
Pumping	Total						
POUNDS.	POUNDS.	POUNDS.	GALLONS.	FEET.	FEET.	FEET.	POUNDS.
328,272	328,272	20,398	105,449,925	182.0	8.4	173.6	46,508,058
457,380	458,301	27,768	153,544,125	182.0	9.6	172.4	48,170,632
523,374	523,374	32,870	179,345,250	182.0	7.3	174.7	49,927,141
434,377	435,866	28,692	157,383,450	182 0	19.5	162.5	48,935,651
442,880	443,722	23,812	155,969,100	182.0	8.3	173.7	50,920,589
434,657	435,507	26,505	150,889,200	182.0	6.3	175.7	50,769,260
528,517	529,267	33,416	180,571,125	182.0	5.9	176.1	50,107,056
499,905	500,505	30,460	170,554,125	182.0	4 6	177.4	50,416,590
477,195	477,995	26,956	162,235,500	182.0	3.0	179.0	50,668,916
423,815	425,743	25,393	144,108,300	182.0	2.8	179.2	50,587,769
279,582	280,397	17,696	95,869,200	182.0	2.8	179.2	51,098,694
512,369	514,411	31,847	171,919,125	182.0	7.5	174.5	48,637,968
5,342,323	5,353,360	325,813	1,827,838,425	182.0	7.2	174.8	49,775,866
241,854	243,566	16,792	32,804,442	182.0	7.3	174.7	19,695,157
41,537	41,537	3,525	5,263,114	182.0	7.5	174.5	18,440,348
171,465	173,329	10,996	21,978,676	182.0	6.5	175.5	18,559,809
75,431	76,424	4,348	10,537,666	182 0	7.5	174.5	20,066,708
530,287	534,856	35,661	70,583,898	182.0	7.2	174.8	19,238,722

SCHEDULE

ENGINE RECORD FOR

MONTHS OF THE YEAR	Number of pumping days	Average pumping time per day	Total pumping time per month	Total number of engine and pump strokes per month	Average No. of strokes per minute	COAL: Raising steam
1886.	DAYS.	H. M.	H. M.	STROKES.	STR'KES	POUNDS.
January	31	23 27	727 00	335,863	7 70	. . .
February	28	19 38	549 30	280,390	8.50	921
March	20	14 09	283 00	133,023	7.83	. . .
April	30	18 03	541 30	266,687	8.20	1,489
May	31	20 04	622 00	297,080	7.96	842
June	30	21 46	653 00	313,160	7.99	850
July	31	21 38	670 30	318,387	7.91	750
August	31	21 40	671 30	303,913	7.54	600
September	30	21 47	656 30	301,860	7.66	800
October	31	22 08	686 15	309,120	7.50	1,928
November	30	21 36	648 00	292,360	7.52	815
December	31	23 51	739 30	327,355	7.38	2,042
Totals and averages	354	21 02	7,448 15	3,479,198	7.79	11,037
WEST BLAKE PUMPS.						
January	24	20 32	492 45	379,361	12.83	1,712
February	4	20 30	82 00	67,401	13.70	. . .
March	13	17 58	233 30	220,123	15.71	1,865
November	7	18 36	130 10	124,289	15.91	1,007
Totals and averages	48	19 33	938 25	791,174	14.05	4,584

No. 1.—*B.*

1886—West Engine.

CONSUMED IN		Ashes, cinders, and clinkers	Quantity of water pumped each month in the year	Average height of water in stand-pipe above low water in river	Average stage of river above low water	Average head against pumps	Monthly engine duty in pounds of water raised one foot high per 100 pounds of coal
Pumping	Total						
POUNDS.	POUNDS.	POUNDS.	GALLONS.	FEET.	FEET.	FEET.	POUNDS.
536,657	536,657	33,347	176,328,075	182.0	8.2	173.8	47,625,604
440,707	441,628	26,758	147,204,750	182.0	9.6	172.4	47,925,707
205,061	205,061	12,878	69,837,075	182.0	7.8	174.2	49,478,573
387,386	388,875	25,599	140,010,675	182.0	19.4	162.6	48,824,490
443,906	444,748	23,868	155,967,000	182.0	8.3	173.7	50,802,442
474,410	475,260	28,895	164,409,000	182.0	6.2	175.8	50,720,000
490,007	490,757	30,985	167,153,175	182.0	5.9	176.1	50,019,448
468,434	469,034	28,545	159,554,325	182.0	4.6	177.4	50,329,650
466,161	466,961	26,334	158,476,500	182.0	3.0	179.0	50,664,452
476,811	478,739	28,554	162,288,000	182.0	2.8	179.2	50,663,087
442,853	443,668	27,999	153,489,000	182.0	3.7	178.3	51,444,213
511,427	513,469	31,789	171,861,375	182.0	7.5	174.5	48,710,830
5,343,820	5,354,857	325,551	1,826,578,950	182.0	7.3	174.7	49,699,215
227,349	229,061	15,792	32,625,046	182.0	7.3	174.7	20,751,949
41,538	41,538	3,525	5,796,486	182.0	7.5	174.5	20,308,633
150,489	152,354	9,666	18,930,578	182.0	6.5	175.5	18,186,661
76,513	77,520	4,410	10,688,854	182.0	7.5	174.5	20,066,833
495,889	500,473	33,393	68,040,964	182.0	7.2	174.8	19,819,708

SCHEDULE

RECORD FOR BOTH ENGINES FOR

YEARS.	Number of pumping days	Average pumping time required per day for one engine	Total pumping time per year	Total number of engine and pump strokes per year	Average No. of strokes per minute	COAL: Raising steam
TOTALS AND AVERAGES.	DAYS.	H. M.	H. M.	STROKES.	STR'KES	POUNDS.
In 1861	207	5 53	1,220 45	445,425	6.09	310,934
In 1862	382	6 25	1,810 45	704,150	6.48	320,873
In 1863	296	5 42	1,691 00	694,297	6.85	326,369
In 1864	304	6 42	2,044 30	862,909	7.01	309,161
In 1865	312	8 40	2,705 35	1,186,657	7.31	312,671
In 1866	313	9 10	2,867 40	1,285,581	7.47	325,235
In 1867	316	8 58	2,838 05	1,305,657	7.67	317,721
In 1868	313	9 49	3,071 15	1,432,855	7.77	298,206
In 1869	319	11 27	3,653 50	1,721,347	7.85	320,729
In 1870	322	12 15	3,945 35	1,958,694	8.27	334,698
In 1871	314	11 34	3,632 00	1,870,976	8.58	326,639
In 1872	313	12 55	4,042 15	2,056,297	8.48	299,904
In 1873	315	13 00	4,129 50	2,234,291	9.01	272,962
In 1874	349	14 18	4,989 35	2,501,974	8.36	287,634
In 1875	361	13 21	4,822 00	2,510,390	8.68	260,387
In 1876	366	16 09	5,908 15	2,907,210	8.20	213,259
In 1877	365	17 09	6,260 30	3,064,309	8.16	230,193
In 1878	365	18 14	6,656 15	3,142,395	7.87	215,323
In 1879	363	20 04	7,281 15	3,501,198	8.014	162,488
In 1880	360	27 29	10,005 45	4,388,647	7.31	43,162
In 1881	351	35 15	12,371 15	5,583,693	7.52	47,448
In 1882	365	29 03	10,605 00	4,984,538	7.83	30,773
In 1883	363	33 27	12,144 00	5,593,908	7.81	28,828
In 1884	362	36 59	13,385 45	6,192,655	7.71	27,022
In 1885	365	39 07	14,275 00	6,744,585	7.88	23,460
In 1886	365	40 56	14,940 00	6,960,795	7.77	22,074
Blake Pumps in 1879	17	31 48	540 30	. . . . .	. . .	12,499
Blake Pumps in 1880	17	41 56	713 00	699,193	16.34	7,100
Blake Pumps in 1881	63	42 24	2,670 45	2,565,595	16.01	7,332
Blake Pumps in 1882	31	36 19	1,125 45	963,008	14.26	14,880
Blake Pumps in 1883	19	42 36	809 30	662,831	13.65	1,500
Blake Pumps in 1885	27	41 00	1,107 15	930,430	14.00	5,134
Blake Pumps in 1886	48	40 19	1,935 20	1,611,917	13.88	9,153

No. 1.—*C.*

THE YEARS 1861 TO 1886, INCLUSIVE.

CONSUMED IN		Ashes, cinders, and clinkers	Quantity of water pumped each year . .	Average height of water in stand-pipe above low water in river	Average stage of river above low water . . .	Average head against pumps	Annual engine duty in pounds of water raised one foot high per 100 pounds of coal . . . .
Pumping	Total						
POUNDS.	POUNDS.	POUNDS.	GALLONS.	FEET.	FEET.	FEET.	POUNDS.
603,861	914,795	. . . .	233,829,045	148.0	6.2	141.8	30,217,865
967,105	1,287,978	. . . .	369,678,750	148.0	6.5	141.5	33,862,245
950,751	1,277,120	. . . .	364,505,925	148.0	4.8	143.2	34,098,265
1,252,061	1,561,222	. . .	453,027,225	148.0	5.1	142.9	34,606,822
1,738,790	2,051,461	. . . .	622,994,925	148.0	7.2	140.8	35,648,043
1,966,056	2,291,291	. . . .	674,930,025	150.0	6.1	143.9	35,355,389
1,983,435	2,301,156	. . . .	685,669,925	150.0	6.3	143.7	35,701,881
2,360,158	2,658,364	. . . .	752,248,875	150.0	6.3	143.7	33,905,423
2,710,677	3,031,406	. . . .	903,707,175	150.0	6.3	143.7	35,719,360
3,016,591	3,352,294	. . . .	1,028,314,350	150.0	6.1	143.9	36,813,799
2,911,125	3,237,764	191,158	982,262,400	150.0	4.1	145.9	36,915,405
3,376,390	3,676,294	223,830	1,079,555,925	150.0	3.85	146.15	35,793,139
3,481,277	3,754,239	266,749	1,173,802,775	150.0	5.95	144.05	37,536,730
3,861,213	4,148,847	305,506	1,313,536,350	150.0	6.0	144.0	38,022,722
3,620,420	3,880,807	271,229	1,317,954,750	150.7	7.4	143.3	40,587,349
4,352,912	4,566,171	309,262	1,526,288,400	160.0	7.6	152.4	42,884,982
4,501,039	4,731,232	319,202	1,608,762,225	156.0	6.1	149.9	42,509,432
4,524,316	4,739,639	326,861	1,649,757,375	152.0	6.65	145.35	42,269,481
4,801,847	4,964,335	383,635	1,838,128,950	152.75	5.57	147.18	45,449,566
6,910,176	6,953,338	516,074	2,304,039,675	173.3	6.15	167.15	46,192,191
8,910,065	8,984,513	592,205	2,931,438,825	175.0	6.45	168.55	45,864,968
7,442,829	7,473,602	483,697	2,616,882,450	181.35	9.69	171.66	50,129,042
8,480,103	8,508,931	539,399	2,936,801,700	182.0	8.7	173.3	49,884,340
9,642,663	9,669,685	636,716	3,251,143,875	182.14	7.55	174.59	48,956,379
10,489,025	10,512,485	682,517	3,540,907,125	182.0	6.3	175.7	49,356,771
10,686,143	10,708,217	651,364	3,654,417,375	182.0	7.25	174.75	49,840,271
396,597	409,096	29,222	49,902,705	. . .	. .	. . .	. . . . .
417,231	424,331	30,758	60,130,598	175.0	5.7	169.3	20,008,465
1,532,022	1,539,354	99,776	220,637,730	175.0	4.2	170.8	20,417,151
576,345	591,225	41,258	82,818,688	182.0	6.52	175.48	20,500,725
414,797	416,297	23,893	57,003,466	182.0	2.6	179.4	20,487,382
591,774	596,908	38,706	80,016,980	182.0	5.8	176.2	19,699,114
1,026,176	1,035,329	69,054	138,624,862	182.0	7.2	174.8	19,519,568

ENGINES AND PUMPS.

EXPENDITURES.

BOILERS—		
Labor cleaning east boiler flues	$43 00	
Putting in two mud drum sheets and 16-inch hat flange	92 00	
Two sheets 278 lbs., @ 8 cents	22 24	
One 16-inch hat flange	6 00	
Fifty-five lbs. rivets @ 10 cents	5 50	
Cartage on material, etc	21 00	
Labor tearing down and rebuilding furnaces	218 19	
Labor cleaning west boiler flues	50 08	
Putting in two sheets	55 00	
Two sheets 198 lbs., @ 8 cents	15 84	
Fifty-one lbs. rivets, @ 10 cents	5 10	
Cartage on material, etc	10 50	
Labor tearing down and rebuilding furnaces	145 77	
One thousand fire brick	20 00	
Twelve barrels fire clay	19 00	
Seven barrels cement	7 60	
Four barrels lime	3 20	
One barrel salt	1 05	
Three cast bars 790 lbs., @ 3 cents	23 70	
Four cast brushes for cleaning boiler flues	1 00	
Two hickory brushes for cleaning boiler flues	40	
Three of Henry Estelle's boiler cleaners put up on east battery of boilers	225 00	
Covering steam drums and steam pipe with air-spaced asbestos composition	350 00	
One barrel asbestos composition	4 00	
		$1,345 17
ENGINES—		
Two cast cylindrical tanks	$1,065 00	
Cast plate ¾ x 8 x 12 inches, 18 lbs., @ 3½ cents	63	
Cast plate ⅞ x 8 x 12 inches, 22 lbs., @ 3½ cents	77	
Extra work setting up	134 00	
Labor taking out old and putting up new tank, W. engine	118 28	
Labor taking out old and putting up new tank, E. engine	62 62	
Work on two rocker arms	8 00	
Machine work on 10-inch pipe	3 25	
Two 20 x 12 inch backing flanges	6 42	
Pattern for same	70	
One stirrup	2 20	
One hook	1 35	
Cut off and bore out 12-inch valve	3 25	
Carried forward	$1,406 47	$1,345 17

Brought forward	$1,406 47	$1,345 17
Four 1¼-inch rods, threaded both ends	6 10	
Fifteen 1¼-inch hexagonal nuts	1 89	
Fifteen washers	1 42	
Eight forged bolts	3 20	
Weld end on valve stem	1 85	
One gland	1 70	
Rechase thread on 3½-inch nipple to fit valve	25	
Two copper pipes overflow waste connection to hot well	50 00	
Six feet 6½-inch canvas hose	1 20	
Two 6-inch nipples	2 40	
Labor fitting up inspirators	6 25	
Two brass seats	24 00	
Two and one-half inch nipple	30	
Two and one-half inch peet valve	7 50	
One 1-inch peet valve	1 25	
One ½-inch globe valve	50	
Seventeen and a sixth feet 1½-inch pipe	1 81	
One 2-inch nipple	23	
One 2-inch ell	29	
One 1-inch nipple	10	
Three pieces ⅝-inch pipe	45	
Twelve 1-inch washers	15	
Labor renewing main wrist in beam of E. engine—water end	52 00	
Two hundred and fifty pine shingles for blocking up air-pump	1 00	
Eight rubber air-pump valves 198 lbs., @ $1.25	247 50	
Freight	1 20	
One steel gib	10 25	
Two files	1 30	
Two papers copper tacks	1 00	
Labor repairing tools	1 75	
Labor painting tanks, steam pipes, and iron work	74 40	
Two hundred and fifteen pounds red lead	18 25	
Two hundred pounds white lead	15 00	
Twenty-eight pounds lamp black	6 60	
One gallon drop black in oil	1 50	
One pound Prussian blue in oil	50	
Eleven pounds filler	1 38	
Ten pounds whiting	20	
Four gallons coach varnish	14 00	
One gallon shellac	4 00	
Sixteen gallons boiled linseed oil	7 75	
Five gallons raw linseed oil	2 15	
Fifteen gallons turpentine	6 70	
Carried forward	$1,787 74	$1,345 17

Brought forward	$1,787 74	$1,345 17
Five gallons benzine	75	
One gallon alcohol	2 35	
One gallon dryer	50	
Three gallon can	50	
Fifteen lbs. putty	45	
Five paint brushes	3 55	
Two sash tools	45	
Two wall liners	25	
Hauling old iron to Reservoir No. 1	1 05	
		1,997 59
PUMPS—		
Foundation of east pump 673 lbs. borings—east pump	2 59	
Six wrought wedges east pump, east pump, 260 lbs. @ 8 cents	20 80	
Work on wedges and weld rods to same	5 40	
Six backing plates ¼ x 10 x 16 ins., 66 lbs., @ 3 cents	1 98	
Six backing plates ⅛ x 10 x 16, 33 lbs., @ 3 cents	99	
Six 1¼-inch rods for wedges, 169 lbs., @ 3 cents	5 07	
Cut threads on rods, and 6 hexagonal nuts	2 80	
Planing 12 wedges	18 10	
Twenty-two plates cut and strengthened, 242 lbs., @ 5 cents	12 10	
Labor wedging up east pump	74 95	
Pump Valves No. 2—		
Turning and facing two valve seats, boring out and turning rings	42 30	
Two wood packing rings	17 00	
Overhauling and grinding two valve seats	19 10	
One ring casting, 523 lbs., @ 3½ cents	18 31	
Hauling valve	2 50	
Hauling and putting in valve west pump	15 83	
Fifteen rubber rings for pump valve, 149 lbs	149 00	
Pump Valves No. 3—		
Labor taking out and hauling double seat valves	16 57	
Repair 67 double seat valves	65 63	
Labor on east 40-inch pump main in archway	14 77	
Ten bolts 1¼ x 10½ ins. x 10 feet, threaded on both ends	9 36	
Forty 1¼-inch hexagonal nuts	5 16	
Twenty-five 1¼-inch washers	75	
One barrel charcoal	35	
Freight on two wrenches, two bolts, and two half bands	25	
Labor overhauling Blake pumps	5 25	
Carried forward	$526 91	$3,342 76

Brought forward	$526 91	$3,342 76
Five coils 1-inch square, C. I. packing, 29 lbs., @ 40 cents	11 60	
83⅛ lbs. pure sheet gum	51 38	
		589 89
		3,932 65
CREDITS—		
By sale of scrap iron		6 54
		$3,926 11

Construction	$225 00
Repairs	3,701 11
	$3,926 11

ENGINE HOUSE, CHIMNEYS, ETC.

EXPENDITURES.

Twenty-two lineal feet pitch-faced ashler, undressed, @ 20 cents	$4 40	
Four barrels cement	4 40	
Labor on east pump foundation	23 58	
		$32 38
Lumber for middle and tank floors—		
Three pieces oak 6 x 15 ins., 161 feet	4 02	
Four pieces oak 2 x 14 ins., 131 feet	3 28	
Seven pieces oak 4 x 9 ins., 168 feet	4 20	
Four pieces oak 6 x 16 ins., 256 feet	6 40	
Thirty-two pieces oak 1 x 12 ins., 96 feet	2 40	
1½-in. oak plank, 1,287 feet	32 18	
Eight pieces oak 4⅞ x 5½ ins., 92 feet	2 30	
Dressing and boring same	5 00	
Sixty-one pieces oak 3 x 15 ins., 1,984 feet	49 60	
Six pieces oak 4 x 18 ins. x 10 feet, 360 feet	9 00	
One piece of oak 14 x 18 ins. x 6 feet, 126 feet	3 15	
Twelve pieces oak 3 x 12 ins. x 10½ feet, 378 feet	9 45	
Two pieces oak 8 x 18 ins. x 7 feet, 168 feet	4 20	
Twelve pieces oak 2 x 21 ins. x 10 feet, 420 feet	10 50	
One hundred and forty-four 3-in. screws	50	
Labor taking out old and putting in new floor	15 88	
Carpenters taking out old and putting in new floor	18 00	
		180 06
Five pieces pine	3 40	
Repair sash and fitting sills	1 50	
Repair valleys, gutters, etc	15 75	
Solder, cement, etc	75	
Forty-three feet 4¼-in. galvanized iron pipe	10 75	
Twelve feet 2-in. tin pipe	1 20	
Six lbs. copper tubes	1 80	
Labor repair walks	1 50	
		36 65
		$249 09

Construction	000 00
Repairs	$249 09
Total	$249 09

STAND-PIPE AND TOWER.

Early in the past summer an examination of the tower developed the fact that the principal timbers in the structure, by means of which the main shaft of the tower is connected with the masonry of the substructure, were so badly decayed from dry rot as to make the combined structure of tower and pipe in every way insecure. The decayed timbers were removed a piece at a time, sound ones substituted, and thereby the structure was restored to its original stability. The new timbers were creosoted yellow pine, which are believed to be as durable as any part of the structure.

STAND-PIPE AND TOWER.

EXPENDITURES.

Two pieces poplar 4 x 4 ins., x 12 feet, 32 feet	$0	45
Twenty pieces poplar 4 x 4 ins., x 20 feet, 533 feet	11	99
One piece poplar 4 x 4 ins., x 24 feet, 32 feet		72
Twenty pieces poplar 2 x 6 ins., x 12 feet, 240 feet	5	40
Hauling	1	00
Fifty-four pieces creosoted lumber, 2,488 feet, @ $28.00	69	66
Freight	61	00
Hauling	2	50
One piece cedar 4 x 7 ins., x 10 feet, faced	2	00
Ten pine brackets 5 x 10½ ins., x 15 ins.	7	50
Two hundred and forty-six feet molding	24	11
Two hundred and nine feet clear pine	5	00
Two hundred and forty feet oak	1	80
Twenty ¾-in. x 22-in. rods—nuts on both ends	4	00
One hundred and twenty ¾-in. bolts	14	80
Two hundred and eighty cut washers, 153 lbs., @ 3 cents	4	59
Sixteen ¾-in. x 8-in. lag screws	1	60
154½ lbs. nails	5	05
Two hundred and fifty brick	1	50
Three barrels cement	3	30
Labor renewing main timbers	354	64
Carpenters	121	75
Bricklayer	13	50
Labor painting inside	28	50
One hundred lbs. red lead	7	50
Fifty lbs. litharge	3	75
Five gallons turpentine	2	25
One-half gallon dryer		25
One gallon machine oil		25
Re-glazing	7	00
Painting outside stand-pipe tower by contract	375	00
One bit		60
Four files		50
Sandpaper		10
Labor connecting heater with stand-pipe	7	37
		$1,150 93

Construction	0 00
Repairs	$1,150 93
Total	$1,150 93

NEW PUMPING STATION.

EXPENDITURES.

ESTIMATES Nos. 1, 2, 3, and 4—			
Cleaning site of embankment and borrow-pit	$700 00		
63,022 cubic yards embankment @ 25 cents	15,755 50		
	$16,455 50		
Cr. by estimates Nos. 1 and 2 paid in 1885	9,888 80		
		$6,566 70	
Extra work on contract		1,000 00	
Labor ramming embankment river slope		68 00	
Rolling embankment		633 91	
Labor trimming embankments		16 60	
Rent of earth-roller		11 70	
244 cubic yards broken stone for rip-rap put on river slope of embankment @ $1.35		329 40	
Inspector		120 00	
Foreman		124 80	
			$8,871 11
SUNDRIES—			
Labor straightening plumb rules		1 50	
Hauling roller to shop and farm		4 55	
Labor cleaning gutters east end of embankment		1 62	
One-fourth bushel clover seed		1 55	
One bushel timothy seed		2 45	
Eighty bushels bluegrass seed		8 90	
Hauling manure and grass seed		17 84	
			38 41
TOOLS—			
Two 2-in. axles		10 00	
One pair four-horse double-trees		10 00	
Nine ¼-in. bolts and six 1¼-in. washers		1 42	
One stirrup		2 20	
One hook		1 15	
Four rods 1¼ in. x 4 ft.—10½ in. threads on both ends		6 10	
Six 1-in. washers		10	
Fifteen 1¼-in. hexagonal nuts		1 89	
One stud		80	
One knuckle joint		60	
One strokes counter		24 00	
			58 26
Carried forward			$8,967 78

Brought forward		$8,967 78
BUILDING—		
Labor putting up sand-bin	$30 00	
Thirteen pieces 2 x 10 ins. x 18 feet, 390 feet	6 25	
One hundred and fifty-eight pieces 2 x 10 ins. x 16 feet, 4,213 feet	67 40	
Hauling	2 00	
Keg twenty-penny nails	2 20	
Eleven hundred and forty-six and one-half cubic yards sand @ $1	1,146 50	
Hire of float	74 50	
Labor receiving and banking sand	140 18	
		1,469 03
ENGINEERING—		
Assistant Engineer	30 00	
Rodman	12 00	
Draughtsman	230 00	
Making river soundings	13 63	
One hundred yards linen line	1 25	
Bottles	60	
		287 48
Construction	$10,724 29	$10,724 29
Repairs	0 00	
Total	$10,724 29	

ENGINE No. 3.

EXPENDITURES—		
Express on drawings	$0 65	
Draughtsman	20 00	
Traveling expenses	80 15	
		$100 80
Construction	$100 80	
Repairs	0 00	
Total	$100 80	

COAL HOUSES.

EXPENDITURES—		
Labor razing coal house	$127 50	
Labor filling cellar, and grading yard	32 10	
Labor laying curb in engine house yard	1 20	
Hauling patterns to Reservoir No. 1	70	
		$161 50
Cr.		
By sale of old brick	$40 00	
By sale of old lumber	24 90	
		64 90
		$96 60
Construction	0 00	
Repairs	$96 60	
Total	$96 60	

PIPE WAY.

EXPENDITURES—

Repair gate engine house field	$11 25	
Labor repair Culvert Station No. 53	13 68	
Labor repair roads	76 15	
Hauling 164 cubic yards cinders on road	41 00	
Labor loading and hauling cinders on road	92 94	
		$235 02

Construction	0 00
Repairs	$235 02
Total	$235 02

CRESCENT HILL RESERVOIR.

EXPENDITURES.

PICKET FENCE—		
Thirteen lbs. spikes	$0 65	
Labor moving pickets	3 00	
		$3 65
GATE HOUSE SUPERSTRUCTURE—		
Wintering plants, repairing stand, and baskets		12 00
PARK IMPROVEMENTS—		
Labor planting trees	65 87	
Fifty-six black and red haw trees	25 00	
Twenty-five red bud trees	12 50	
Twenty-five dog wood trees	12 50	
Ninety forest trees	23 00	
Labor mowing grass and making hay	295 50	
Labor trimming trees	6 00	
Labor reset curbing on roads	62 40	
Labor repairing drains	75	
One 8-feet tree pruner	1 75	
Four scythe blades	3 85	
Four hay rakes	1 40	
Six scythe stones	30	
One Toledo barrow	1 50	
Hauling manure	1 75	
Labor cleaning grass and weeds from roads and fences	6 45	
Repair straps, hitching posts	1 50	
		522 02
LAKE—		
Labor repair leak in lake		9 00
CEMENT WALKS—		
Labor repair cement walks		9 75
PUBLIC SHELTER—		
Labor connecting and draining service pipe		5 13
Carried forward		$561 55

Brought forward		$561 55
ICE HOUSE—		
Four loads sawdust	$8 00	
Six lbs. spikes for ice shoot	30	
		8 30
KEEPERS' DWELLINGS—		
Cleaning and repairing cistern	5 00	
One pump, 14 feet @ 55 cents	7 70	
One shutter hinge	10	
		12 80
FILTER TANKS—		
Brass washer for meter cap	25	
Repair 2-inch stop, pipe, and goose neck	3 00	
Labor connecting and disconnecting meter	11 74	
Labor setting up and taking down portable engine	29 11	
Labor painting portable engine	1 50	
Labor cleaning filter tanks	101 95	
Seventy-one bushels coal	9 19	156 74
		$739 39

Construction	$138 87
Repairs	600 52
Total	$739 39

ROADS, FENCES, AND IMPROVEMENT OF GROUNDS.

EXPENDITURES.

ENGINE-HOUSE FIELD—		
Labor cleaning drift from wharf	$48 93	
Labor cleaning drift from field	60 00	
Labor cleaning engine-house yard	3 00	
Labor repairing roads	21 00	
Labor loading and hauling cinders on road	12 38	
Labor raising gate vault	5 25	
Labor repairing fence	6 00	
Labor repairing gate	2 85	
Pair 12-inch self-acting spring butts	7 00	
Repair 12-inch self-acting spring butts	1 00	
		$167 41
RESERVOIR FIELD—		
Labor cleaning drift from field	15 90	
Labor repairing gate foot of Reservoir hill	4 40	
Three pair single-acting spring butts	21 00	
Labor mowing grass and making hay	60 38	101 68
		$269 09

Construction	0 00
Repairs	$269 09
Total	$269 09

PIPE SYSTEM.

A little over three miles of distributing pipes were laid during the past season.

The main and distributing pipes aggregate a little more than one hundred and thirty (130) miles up to January 1, 1887.

The fire cisterns connected with the distributing pipe for the supply of the Fire Department aggregate four hundred and twenty, and the fire hydrants one hundred and forty-five.

The whole distribution is in good repair and efficient working order.

There was no interruption in the water supply to the city during the year.

SCHEDULE

EXTENSION OF

LOCATION OF LINES OF PIPE.	LENGTH OF LINES						
	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.
Distributing main north side High avenue, from a point 35 feet west of east line of Thirty-fourth street, to 12 feet west					12		
N. s. Rudd avenue, east of Thirty-second street, cistern connection							
*N. s. High avenue, east of Thirty-second street, cistern connection							
S. s. High avenue, from 6-inch line on west side of Seventeenth street, to 8-inch line on east side of Seventeenth street							
N. s. High avenue, from the 8-inch connection at Thirty-fourth street to the 8-inch line on east side of Thirty-fifth street							
S. s. High avenue, from the 8-inch line on east side Thirty-fifth street to 295 feet west of 8-inch x 6-inch cross on east side Thirty-eighth street							
S. s. Montgomery street, from 287 feet west of 6-inch line Twenty-fifth street to 35 feet west							
N. s. Rowan street, east of Fifteenth street, cistern connection							
S. s. Rowan street, from 329 feet east of 6-inch line on Nineteenth street to 12 feet east							
N. s. Rowan street, east of Nineteenth street, cistern connection							
S. s. Rowan street, from 4-inch line east side Twenty-first street to 57 feet east							
S. s. Washington street, east of Shelby street, cistern connection renewed							
S. s. Washington street, east of Hancock street, cistern connection renewed							
Center Murrel's Court, from 4-inch line east side Third street to 264 feet west							
S. s. Main street, east of Preston street, cistern connection enlarged							
S. s. Jefferson street, 2 feet west of Fourth street, hydrant connection						4	
N. s. Jefferson street, 4.4 feet east of Fifth street, hydrant connection						3	
S. s. Jefferson street, 1.1 feet west of Fifth street, hydrant connection						5	
N. s. Jefferson street, 7.5 feet east of Sixth street, hydrant connection						5	
N. s. Jefferson street, west of Twelfth street, cistern connection renewed							
S. s. Grayson street, from 6-inch line east side Fourteenth street to 54 feet east							
Intersection of Guthrie and Second streets, cistern connection enlarged							
N. s. Chestnut street, east of Ninth street, cistern connection enlarged							
N. s. Chestnut street, from 8-inch line west side Twenty-sixth street to 326 feet west							
S. s. Magazine street, from 6-inch line east side Eighteenth to 209 feet east							
S. s. Magazine street, from 4-inch line east side Twenty-second street to 260 feet east							
S. s. Elliott avenue, from 8-inch line west side Twenty-sixth street to 113 feet west of Twenty-eighth street							
N. s. Broadway, at its intersection with Eleventh-street connection to 30-inch pipe							
S. s. Broadway, from 64 feet west of 6-inch line on east side of Fifteenth to 328 feet west							
N. s. Broadway, east of Eighteenth street, cistern connection enlarged							
S. s. York street, from 4-inch line east side of Fifth street to 215 feet east							
Carried forward					12	17	

No. II.

WATER PIPE IN 1886.

IN FEET.					TOTALS.		STOP GATES.										FIRE SERVICE		St. Sprink. Hydr'nt
8-inch	6-inch	4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	Cisterns	Hydrants.	
					12														
		34			34											1		1		
		17			17											1		1		
	250	1			251										1	1				
513					513									3						
1861		15			1,876									7		1		1		
	35				35															
		44			44											1		1		
		12			12															
		14			14											1		1		
	57				57										1					
			7		7												1	1		
			8		8												1	1		
		264			264											1				
		13			13											1		1		
	12	9			25											1			1	
	33	6			42											1			1	
	10	7			22											1			1	
	33	6			44											1			1	
			9		9												1	1		
		54			54											1				
		25			25											1		1		
		17			17											1		1		
	326				326										1					
	209				209										1					
	260				260										1					
		1002			1,002											1				
	4				4															
	328				328															
		35			35											1		1		
		215			215											1				
2374	1557	1790	24		5,774									10	5	18	3	12	4	

SCHEDULE No.

LOCATION OF LINES OF PIPE.	LENGTH OF LINES						
	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.
Brought forward					12	17	
S. s. Cawthon street, from 4-inch line east side of Eighth street to 166 feet east							
S. s. Maple street, from 6-inch line east side of Fifteenth to 482 feet west							
S. s. Breckinridge street, from 560 feet west of 6-inch line east side Shelby to 242 feet west 6-inch cross east side Clay							
S. s. Lexington street, from 6-inch line east side of Sixth street to 237 feet west							
S. s. Lexington street, from 327 feet east of 6-inch line east side Fifteenth street to 6-inch line east side Fourteenth							
S. s. Lampton street, from 444 feet west of 6-inch line east side Shelby street to 6-inch line east side Clay							
S. s. Caldwell street, from 12-inch connection over 16-inch pipe on Preston street to 43 feet east							
N. s. Caldwell street, east of Preston street, cistern connection enlarged							
S. s. Caldwell street, from 12-inch connection over 16-inch pipe on Preston to 6-inch pipe on west side							
S. s. Caldwell street, from 431 feet west of 6-inch on Floyd to 6-inch cross on east side Brook							
S. s. Caldwell street, from 6-inch cross east side of Brook to 230 feet west							
S. s. Kentucky street, from 199 feet east of 6-inch line on east side First street to 130 feet east							
N. s. Cane street, from 6-inch line east side Shelby to 6-inch line east side Logan							
S. s. Oak street, from 6-inch line east side of Second street to 122 feet east							
N. s. Rupp street, from 6-inch line east side of Logan to 271 feet east							
E. s. Haldeman avenue, from 1,173 feet north of 6-inch line west side Frankfort avenue to 63 feet north							
In colored blind asylum grounds, 1,235 feet east of 6-inch line north side Frankfort avenue, cistern connection							
In Brownsboro road, south of Story avenue, cistern connection enlarged							
W. s. Buchanan street, south of Franklin, cistern connection enlarged							
E. s. Campbell street, from 11 feet north of 4-inch line north side Market to 97 feet north							
W. s. Campbell street, south of Walnut, cistern connection renewed							
E. s. Logan street, from 6-inch line north side Cane to 72 feet south 6-inch line north side Rupp							
E. s. Clay street, from 6-inch line south side Lampton to 89 feet north							
E. s. Jackson street, from 4-inch line south side Jacob to 87 feet south							
E. s. Jackson street, from 6-inch line south side Breckinridge street to 131 feet south							
E. s. Preston street, at its intersection with Caldwell, 12-inch connection						9	
†E. s. Floyd street, from 4-inch line on Chestnut to 6-inch line on Broadway							
E. s. Floyd street, from 375 feet south of 6-inch line south side Oak to 224 feet south							
E. s. Brook street, from 4-inch line south side Jacob to 4-inch line south side College							
E. s. Brook street, from 340 feet north of 16-inch line north side Kentucky to 12 feet north							
E. s. Brook street, from 4-inch line south side St. Catharine to 141 feet north							
E. s. Brook St., from 6-inch line south side Oak to 225 feet south							
E. s. Second street, from 774 feet north 4-inch line south side Ormsby avenue to 618 feet south of 4-inch line south side St. Catharine street							
Carried forward					12	26	

II.—Continued.

IN FEET.					TOTALS.		STOP GATES.											FIRE SERVICE		St. Sprink. Hydr'nt
8-inch	6-inch	4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	Cisterns	Hydrants.	
2374	1557	1790	24		5,774									10	5	18	3	12	4	
		166			166											1				
		504			504											2		1		
	266				266										2					
		237			237											1				
		95			95											1				
	143				143										1					
43					43									1						
		13			13											1		1		
	21				21															
		155			155											1				
	230				230										1					
		130			130															
	438				438										2					
	122				122										1					
	271				271										1					
		63			63															
		153			153											1		1		
		30			30											1		1		
		9			9											1		1		
		108			108											1				1
			8		8												1	1		
	1220				1,220										3			1		
	89				89															
	87				87										1					
	131				131															
					9							1								
		976			976											2				
	224				224															
		456			456											1				
	12				12															
	141				141															
	225				225										1					
	271				271										1					
2417	5448	4885	32		12,820							1		11	20	32	4	19	4	1

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines						
	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	1?-inch.
Brought forward					12	26	
E. s. Fourth street, from 947 feet south of 6-inch line south side Magnolia avenue to 250 feet south of 8-inch x 6-inch cross on south side Hill street							
W. s. Fifth street, 178 feet north of Jefferson street, street sprinkling hydrant							
E. s. Fifth street, from 4-inch line south side York to 11 feet south—connects with old line							
E. s. Fifth street, from 327 feet north 4-inch line on Oak street to 211 feet north							
E. s. Sixth street, at its intersection with Jefferson, cistern connection enlarged							
E. s. Sixth street, from 3,007 feet south of 4-inch line on Oak street to 551 feet south							
W. s. Seventh street, from 83 feet south of 4-inch cross on York street to 165 feet south							
E. s. Ninth street, from 16-inch line on Kentucky street to 154 feet north							
E. s. Eleventh street, from 129 feet south of 10-inch line on Walnut street to 90 feet north of 6-inch line on Madison street							
E. s. Eleventh street, from 260 feet north of 6-inch line on Chestnut to 6-inch line on Madison street							
E. s. Eleventh street, from 6-inch line on Chestnut to 6-inch line on Magazine street							
E. s. Eleventh street, from 450 feet south of 6-inch line on Magazine to 6-inch on Broadway							
E. s. Fourteenth street, from 142 feet south of 6-inch cross on Maple street to 78 feet south of 4-inch line on Lexington street							
E. s. Fifteenth street, from 8-inch line on Walnut street to 435 feet north							
E. s. Fifteenth street, from 6-inch line on Broadway to 357 feet north of 4-inch line on Lexington street							
W. s. Sixteenth street, north of Lexington, cistern connection							
E. s. Sixteenth, from 365 feet north of 4-inch line on Lexington street to 165 feet north							
W. s. Seventeenth street, from 6-inch on High to 244 feet north							
E. s. Seventeenth street, from 16-inch line on Portland avenue to 6-inch line on High street							
E. s. Seventeenth street, from 6-inch line on Main street to 49 feet south							
E. s. Eighteenth street, from 6-inch line on Jefferson street to 4-inch line on Grayson street							
E. s. Twenty-first street, from 6-inch line on Main to 6-inch line on Rowan street							
E. s. Twenty-first street, from 8-inch line on Market street to 249 feet north							
E. s. Twenty-second street, from 8-inch line on Walnut street to 107 feet north							
E. s. Twenty-second street, from 6-inch line on Chestnut to 6-inch line on Magazine street							
* E. s. Twenty-fifth street, from 6-inch line on Main to 261 feet north of 6-inch x 4-inch cross on Rowan street							
W. s. Twenty-sixth street, 18 feet north of Beatty, fire hydrant connection							
E. s. Thirty-fifth street, north of Missouri avenue, cistern connection renewed							
E. s. Thirty-fifth street, from 8-inch line on north side to 8-inch line on south side of High avenue							
Pipe Taken Up in 1886.					12	26	
S. s. High avenue, from 6-inch on west side of Seventeenth street, to 8-inch on east side of Seventeenth street							
N. s. High avenue, from 4-inch line on Thirty-fifth street to 513 feet east							
Carried forward							

II.—Continued.

In Feet.					Totals.		Stop Gates.											Fire Service		St. Sprink. Hydr'nt
8-inch	6-inch	4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	Cisterns	Hydrants.	
2417	5448	4885	32		12,820							1		11	20	32	4	19	4	1
458					458									1						
		31			31											1				1
		11			11															
		211			211															
	7				7										1			1		
	551				551															
		165			165															
	161				161										1			1		
		200			200											1				
		120			120											1				
	510				510										1					
	136				136															
	703				703										1					
		435			435															
	1309				1,309										2					
	11				11										1			1		
	165				165															
	244				244										1					
507					507									1						
		60			60											2				1
		510			510											1				
		506			506											1				
		249			249															
		107			107															
		508			508											1				
		763			763											1				
		10			10											1			1	
			8		8												1	1		
36					36															
3418	9245	8771	40		21,512	4.07						1		13	28	42	5	23	5	3
		251			251											1				
		513			513											2				
		764			764											3				

SCHEDULE No.

LOCATION OF LINES OF PIPE.	LENGTH OF LINES						
	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.
Brought forward							
S. s. High avenue, from 4-inch line on Thirty-fifth street to 295 feet west of 4-inch x 4-inch cross east side Thirty-eighth street							
S. s. Water street, from 4-inch line on Eighth street to 239 feet west							
S. s. Washington street, east of Shelby street, cistern connection							
S. s. Washington street, east of Hancock, cistern connection							
S. s. Main street, east of Preston, cistern connection							
N. s. Market street, between Campbell and Shelby streets, sprinkling hydrant							
N. s. Jefferson street, west of Fourth street, sprinkling hydrant							
N. s. Jefferson street, west of Twelfth, cistern connection							
Intersection Guthrie and Second streets, cistern connection							
N. s. Chestnut street, east of Ninth, cistern connection							
N. s. Broadway, east of Eighteenth street, cistern connection							
S. s. Caldwell street, from 16-inch line on Preston, to 43 feet east							
S. s. Caldwell street, from 16-inch line on Preston street, to 21 feet west							
N. s. Caldwell street, east of Preston street, cistern connection							
In Brownsboro road, south of Story avenue, cistern connection							
W. s. Buchanan street, south of Franklin, cistern connection							
W. s. Campbell street, south of Walnut, cistern connection							
E. s. Preston street, at its intersection with Caldwell							
† E. s. Floyd street, from 4-inch line on Chestnut to 6-inch line on Broadway							
E. s. Sixth street, at its intersection with Jefferson street, cistern connection							
E. s. Eighth street, from 4-inch line on Water to 54 feet north 3-inch line on Ormsby street							
E. s. Seventeenth street, from 4-inch line on Portland avenue to 4-inch line on High avenue							
E. s. Thirty-second street, north of Rudd avenue, cistern connection							
E. s. Thirty-fifth street, north of Missouri avenue, cistern connection							
E. s. Thirty-fifth street across High avenue							
					12	26	

* Laid in 1885. † Laid previous to 1861.

II.—Continued.

IN FEET.					TOTALS.		STOP GATES.											FIRE SERVICE		St. Sprink. Hydr'nt
8-inch	6-inch	4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	Cisterns	Hydrants.	
. .	. .	764	. .	. .	764	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	3	. .	. .	. .	.
. .	. .	1861	. .	. .	1,861	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	7	. .	. .	. .	.
. .	. .	239	6	. .	245	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
. .	. .	. .	7	. .	7	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
. .	. .	. .	7	. .	7	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
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. .	. .	. .	9	. .	9	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
. .	. .	. .	30	. .	30	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
. .	. .	. .	15	. .	15	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
. .	. .	. .	35	. .	35	.	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
. .	43	. .	. .	. .	43	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	. .	. .	. .	.
. .	. .	21	. .	. .	21	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	.
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. .	. .	. .	27	. .	27	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	1	. .	.
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. .	976	. .	. .	. .	976	. . .	. .	. .	. .	. .	. .	. .	. .	. .	2	. .	. .	. .	. .	.
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. .	34	. .	. .	. .	34	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	.
. .	1063	3569	213	. .	4,845	0.92	. .	. .	. .	. .	. .	. .	. .	. .	4	13	16	15	. .	2
3418	8182	5202	573	. .	16,667	3.16	. .	. .	. .	. .	. .	1	. .	13	24	29	11	8	5	1

SCHEDULE No. III.

CHANGES OF SIZE AND LOCATION OF STREET CISTERN SUPPLIES.

No.	In.	LOCATION.	Size.
		1871.	
1	Baxter ave. . .	On north side Hamilton avenue	3-inch pipe.
		1874.	
1	Market street .	East of First street	3 to 4-inch pipe.
1	Market street .	East of Second street	3 to 4-inch pipe.
1	Market street .	At its intersection with Third avenue . .	3 to 4-inch pipe.
		1875.	
1	Walnut street .	West of Preston street	3-inch pipe.
1	Walnut street .	West of Floyd street	3-inch pipe.
1	Walnut street .	Between First and Second streets . . .	3-inch pipe.
1	Third avenue .	Between Walnut and Green streets . . .	3-inch pipe.
		1876.	
1	Main street . .	Between Preston and Floyd streets . . .	3-inch pipe.
1	Main street . .	At its intersection with Floyd street . .	3-inch pipe.
1	Jefferson street	Between Brook and First streets	3-inch pipe.
1	Green street. .	East of Preston street	3-inch pipe.
1	Green street. .	West of Floyd street	3-inch pipe.
1	Green street . .	East of Fifth street.	3 to 4-inch pipe.
1	Broadway. . .	West of Ninth street	3 to 4-inch pipe.
		1877.	
1	Washington st.	East of Jackson street	3 to 4-inch pipe.
1	Main street . .	West of Wenzel street	3 to 4-inch pipe.
1	Main street . .	At its intersection with Clay street . . .	3 to 4-inch pipe.
1	Main street . .	East of Brook street	3 to 4-inch pipe.
1	Jefferson street	East of Jackson street	3 to 4-inch pipe.
1	Green street . .	At its intersection with Hancock street .	3 to 4-inch pipe.
1	Buchanan st. .	North of Story avenue	3 to 4-inch pipe.
1	Preston street .	South of Fulton street	3 to 4-inch pipe.
1	First street . .	Between Walnut and Chestnut streets .	3 to 4-inch pipe.
1	Fourth street .	South of Curran street	3 to 4-inch pipe.
		1878.	
1	Main street . .	At its intersection with Fifth street. . .	3 to 4-inch pipe.
1	Green street.	West of Fourth street	3 to 4-inch pipe.
1	Walnut street .	East of Ninth street	3 to 4-inch pipe.
		1880.	
1	Market street .	Between Twelfth and Thirteenth streets	3 to 6-inch pipe.
1	Market street .	At its intersection with Seventh street .	3 to 4-inch pipe.
1	Seventh street .	South of Green street	3 to 4-inch pipe.
		1881.	
1	Calhoun street .	West of Adams street	3 to 6-inch pipe.
1	Market street .	Near Sixth street.	3 to 4-inch pipe.
1	Hamilton ave. .	Near Cooper street	4 to 6-inch pipe.
1	Adams street .	Near Van Buren street	4 to 6-inch pipe.
1	Ohio street . .	North of Story avenue	4 to 6-inch pipe.
1	Second street .	Between Green and Walnut streets . . .	3 to 6-inch pipe.
1	Ninth street. .	South of Green street.	3 to 4-inch pipe.

SCHEDULE No. III.—Continued.

No.	In.	LOCATION.	Size.
		1882.	
1	Market street .	East of Campbell street	3 to 4-inch pipe.
1	Market street .	East of Twelfth street	3 to 6-inch pipe.
1	Jefferson street	West of Third street	3 to 6-inch pipe.
1	Jefferson street	East of Ninth street	3 to 6-inch pipe.
1	Green street . .	West of Sixth street	3 to 4-inch pipe.
1	Walnut street .	East of Seventh street	3 to 4-inch pipe.
1	Chestnut street	East of Fifth street	3 to 4-inch pipe.
		1883.	
1	Market street .	West of Preston street	3 to 4-inch pipe.
1	Market street .	West of Eleventh street	3 to 4-inch pipe.
1	Walnut street .	East of Fourth street	3 to 4-inch pipe.
1	Walnut street .	At intersection of Eighth street	3 to 4-inch pipe.
1	Chestnut street	At intersection of Eighth street	3 to 4-inch pipe.
1	Wenzel street .	North of Jefferson street	3 to 6-inch pipe.
1	Floyd street . .	North of Jefferson street	3 to 6-inch pipe.
1	Brook street . .	North of Gray street	3 to 4-inch pipe.
1	Third street . .	At intersection of Guthrie street	3 to 4-inch pipe.
1	Fourth street .	Between Walnut and Chestnut streets. .	3 to 4-inch pipe.
1	Eighth street .	South of Green street	3 to 4-inch pipe.
		1884.	
1	Story avenue .	West of Ohio street	3 to 4-inch pipe.
1	Story avenue .	West of Adams street	3 to 4-inch pipe.
1	Main street . .	East of Jackson street	3 to 4-inch pipe.
1	Market street .	At intersection of Hancock street . . .	3 to 4-inch pipe.
1	Gray street . .	East of Jackson street	3 to 4-inch pipe.
1	Breckinr'ge st.	East of Third street	3 to 6-inch pipe.
1	Shelby street .	At intersection of Franklin street . . .	3 to 4-inch pipe.
1	Hancock street	North of Jefferson street	3 to 6-inch pipe.
1	Jackson street .	North of Green street	3 to 4-inch pipe.
1	Jackson street .	At intersection of Walnut street	3-inch pipe.
1	Third street . .	Between Chestnut and Broadway . . .	3 to 4-inch pipe.
1	Fifth street . .	At intersection of Main street	4-inch pipe.
		1885.	
1	Jefferson street	East of Second street	3 to 6-inch pipe.
1	Madison street	West of Shelby street	3 to 4-inch pipe.
1	Magazine street	West of Ninth street	3 to 4-inch pipe.
1	Maple street .	East of Eighteenth street	3 to 4-inch pipe.
1	Baxter avenue	North of Hamilton street	3 to 6-inch pipe.
1	Fifth street . .	At intersection of Market street	3 to 4-inch pipe.
1	Fifth street . .	At intersection of Jefferson street . . .	3 to 4-inch pipe.
		1886.	
1	Washington st .	East of Shelby street	3-inch pipe
1	Washington st .	East of Hancock street	3-inch pipe.
1	Main street . .	East of Preston street	3 to 4-inch pipe.
1	Jefferson street.	West of Twelfth street	3-inch pipe.
1	Guthrie street .	At its intersection of Second	3 to 4-inch pipe.
1	Chestnut street	East of Ninth street	3 to 4-inch pipe.
1	Broadway . .	East of Eighteenth street	3 to 4-inch pipe.
1	Caldwell street	East of Preston street	3 to 4-inch pipe.
1	Brownsboro Rd.	South of Story avenue	3 to 4-inch pipe.
1	Buchanan street	South of Franklin street	3 to 4-inch pipe.

SCHEDULE No. III.—Continued.

No.	In.	LOCATION.	Size.
		1886.	
1	Campbell street	South of Walnut street	3-inch pipe.
1	Sixth street . .	At intersection of Jefferson street . . .	3 to 6-inch pipe.
1	Thirty-fifth st. .	North of Missouri avenue	3-inch pipe.

STREET CISTERNS FURNISHED WITH SECOND SUPPLY PIPES.

		1877.	
1	Johnson street .	North of Market street	6-inch pipe.
1	Preston street .	South of Fulton street	6-inch pipe.
		1878.	
1	Madison street	West of Ninth street	6-inch pipe.

ADDITIONAL STREET CISTERNS CONNECTED WITH WATER PIPE IN 1886.

1	Rudd avenue .	East of Thirty-second street	4-inch pipe.
1	High avenue .	East of Thirty-second street	4-inch pipe.
1	High avenue .	At intersection of Thirty-eight street . .	4-inch pipe.
1	Rowan street .	East of Fifteenth street	4-inch pipe.
1	Rowan street .	East of Nineteenth street	4-inch pipe.
1	Maple street .	West of Fifteenth street	4-inch pipe.
1	Haldeman ave .	In Colored Blind Asylum grounds . . .	4-inch pipe.
1	Logan street .	North of Mary street	6-inch pipe.
1	Ninth street .	North of Kentucky street	6-inch pipe.
1	Sixteenth street	North of Lexington street	6-inch pipe.

10	Total new or additional street cisterns supplied with water in 1886.
14	Total new or additional street cisterns supplied with water in 1885.
15	Total new or additional street cisterns supplied with water in 1884.
12	Total new or additional street cisterns supplied with water in 1883.
9	Total new or additional street cisterns supplied with water in 1882.
17	Total new or additional street cisterns supplied with water in 1881.
4	Total new or additional street cisterns supplied with water in 1880.
6	Total new or additional street cisterns supplied with water in 1879.
4	Total new or additional street cisterns supplied with water in 1878.
5	Total new or additional street cisterns supplied with water in 1877.
12	Total new or additional street cisterns supplied with water in 1876.
10	Total new or additional street cisterns supplied with water in 1875.
24	Total new or additional street cisterns supplied with water in 1874.
41	Total new or additional street cisterns supplied with water in 1873.
43	Total new or additional street cisterns supplied with water in 1872.
8	Total new or additional street cisterns supplied with water in 1871.
4	Total new or additional street cisterns supplied with water in 1870.
9	Total new or additional street cisterns supplied with water in 1869.
2	Total new or additional street cisterns supplied with water in 1868.
9	Total new or additional street cisterns supplied with water in 1867.
19	Total new or additional street cisterns supplied with water in 1866.
18	Total new or additional street cisterns supplied with water in 1865.
13	Total new or additional street cisterns supplied with water in 1864.
308	*Carried forward.*

SCHEDULE No. III.—Continued.

308	*Brought forward.*
21	Total new or additional street cisterns supplied with water in 1863.
3	Total new or additional street cisterns supplied with water in 1862.
100	Total new or additional street cisterns supplied with water before 1862.
432	Total number connected to January 1, 1887.

DISCONTINUED.

No.	In.	LOCATION.	Size.
12	1	Bank street	West of Twenty-first street	4-inch pipe.
	1	Water street	On west side of Eighth street	3-inch pipe.
	1	Main street	On east side of Second street	4-inch pipe.
	1	Main street	At its intersection with Third street . .	4-inch pipe.
	1	Jefferson st.	At its intersection with Fourth street .	3-inch pipe.
	1	Jefferson st.	At its intersection with Twelfth street .	3-inch pipe.
	1	Green street	On east side of Campbell street	3-inch pipe.
	1	Broadway .	On east side of First street	3-inch pipe.
	1	Preston st. .	North of Knapp street	6-inch pipe.
	1	Fourth st. .	Between Green and Walnut streets . .	3-inch pipe.
	1	Sixth street	At its intersection with Grayson street .	3-inch pipe.
	1	32d street .	North of Rudd avenue	4-inch pipe.
420 . .		Total number in connection with pipe system January 1, 1887.	

SCHEDULE No. IV.

Location of all Street Cisterns, Fire Hydrants, and Sprinkling Hydrants, Connected with the Water Works.

In.	Number	Total.	Description of Stops.	Size.	LOCATION.	Capacity in bbls.
Rudd avenue		1	Stop gate	4-inch.	On east side of Thirty-second	
High avenue	1		Puppet valve.	3-inch.	317 feet west of Twelfth-street	
High avenue	1		Stop gate	4-inch.	Bet. Thirteenth and Fourteenth	
High avenue	1		Puppet valve.	3-inch.	Bet Fifteenth and Sixteenth	
High avenue	1		Puppet valve.	3-inch.	Bet. Twenty-second & Twenty-third	
High avenue	1		Stop gate	4-inch.	On east side Thirty-second	
High avenue	1		Stop gate	4-inch.	On east side Thirty-sixth	
High avenue	1		Stop gate	4-inch.	At is intersection with Thirty-eighth	
High avenue	1	8	Stop gate	4-inch.	Between Thirty-ninth and Fortieth	
Portland ave	1		Puppet valve.	3-inch.	Bet. Nineteenth and Twentieth sts	
Portland ave	1	2	Stop gate	4-inch.	On east side of Seventeenth street	
Franklin street	1		Stop gate	6-inch.	On west side of Cabel street	
Franklin street	1		Puppet valve.	3-inch.	On west side of Wenzel street	500
Franklin street	1		Puppet valve.	3-inch.	On west side of Campbell street	
Franklin street	1	4	Puppet valve.	3-inch.	On west side of Clay street	500
Water street		1	Stop cock	3-inch.	On west side of Fourth street	100
Montgomery st.		1	Stop gate	4-inch.	On east side of Twenty-seventh st.	
Bank street	1		Stop gate	6-inch	On west side of Twenty-first street	
Bank street	1	2	Stop gate	4-inch.	333 feet east of Twenty-ninth street.	
Lytle street		1	Stop gate	3-inch	On east side of Seventeenth street	
Harney street		1	Stop gate	4-inch.	On east side of Twenty-first street	
Rowan street	1		Puppet valve.	3-inch.	On east side of Thirteenth street	500
Rowan street	1		Stop gate	4-inch.	On east side of Fifteenth	
Rowan street	1		Stop gate	4-inch.	On west side of Sixteenth street	
Rowan street	1	4	Stop gate	4-inch.	On east side of Nineteenth	
Monroe street		1	Puppet valve.	3-inch.	On east side of Twelfth street	
Calhoun street		1	Stop gate	6-inch.	On east side of Adams street	
Duncan street	1		Puppet valve.	3-inch.	On west side of Fifteenth street	500
Duncan street	1		Stop gate	4-inch.	Bet. Fourteenth and Fifteenth sts	
Duncan street	1		Stop gate	3-inch.	On east side of Seventeenth street	
Duncan street	1	4	Stop gate	4-inch.	On east side of Eighteenth street	
Washington st.	1		Puppet valve.	3-inch.	On west side of Preston street	
Washington st.	1		Stop gate	4-inch.	On east side of Jackson street	500
Washington st.	1		Stop gate	3-inch.	On east side of Hancock street	500
Washington st.	1		Puppet valve.	3-inch.	On east side of Clay street	
Washington st.	1		Stop gate	3-inch.	On east side of Shelby street	500
Washington st.	1		Puppet valve.	3-inch.	On west side of Wenzel street	
Washington st.	1		Stop gate	6-inch.	On west side of Pocahontas street	
Washington st.	1	8	Puppet valve.	3-inch.	On west side of Webster street	
Frankfort ave		1	Stop gate	6-inch.	216 feet west of Haideman avenue	
Spring street	1		Stop gate	4 inch.	On west side of Reservoir avenue	
Spring street	1	2	Stop gate	4-inch.	On west side of Payne street	
Story avenue	1		Stop gate	4-inch.	Bet. Brownsboro r'd and Fr'kfort av	
Story avenue	1		Stop gate	4-inch.	At its intersection with Frankfort av	100
Story avenue	1		Stop gate	4-inch.	Bet. Frankfort ave. and Adams st.	
Story avenue	1		Stop gate	4-inch.	On west side of Adams street	100
Story avenue	1	5	Puppet valve.	3-inch.	At its intersection with Cabel street	600
Main street	1		Stop gate	4-inch.	On east side of Johnson street	
Main street	1		Stop gate	4-inch.	On west side of Wenzel street	1,124
Main street	1		Stop cock	3-inch.	On west side of Shelby street	978
Main street	1		Stop gate	4-inch.	At its intersection with Clay street	978
Main street	1		Stop cock	3-inch.	On west side of Hancock street	
Main street	1		Stop gate	4-inch.	On east side of Jackson street	100
Main street	1		Stop gate	4-inch.	On east side of Preston street	
Main street	1		Stop gate	3-inch.	Half way bet. Preston and Floyd sts	
Main street	1		Stop gate	3-inch.	At its intersection with Floyd street	1,157
Main street	1		Stop gate	4-inch.	On east side of Brook street	
Main street	1		Stop gate	4-inch.	On east side of First street	841
Main street	1		Stop gate	4-inch.	On east side of Fourth street	912
Main street	1		Stop gate	4-inch.	At its intersection with Fourth st	
Main street	1		Stop gate	2 4-inch	At its intersection with Fifth street.	912
Main street	1		Stop gate	4-inch.	50 feet east of Sixth street	
Main street	1		Stop gate	4-inch.	On east side of Seventh street	
Main street	1		Stop gate	4-inch.	On east side of Eighth street	709
Main street	1		Stop gate	4-inch.	On east side of Ninth street	
Main street	1		Stop gate	4-inch.	On east side of Tenth street	

SCHEDULE No. IV.—Continued.

In.	Number	Total.	Description of Stops.	Size.	LOCATION.	Capacity in bbls.
Main street . .	1	. .	Stop gate . . .	4-inch.	On east side of Eleventh street . . .	991
Main street . .	1	. .	Stop gate . . .	4-inch.	On east side of Twelfth street . . .	1,500
Main street . .	1	. .	Puppet valve .	3-inch.	On west side of Thirteenth street .	500
Main street . .	1	. .	Puppet valve .	3-inch.	On west side of Fourteenth street .	500
Main street . .	1	. .	Puppet valve .	3-inch.	On west side of Fifteenth street . .	500
Main street . .	1	. .	Puppet valve .	3-inch.	On west side of Seventeenth street .	. . .
Main street . .	1	. .	Puppet valve .	3-inch.	On west side of Eighteenth street .	. . .
Main street . .	1	. .	Puppet valve .	3-inch.	On west side of Nineteenth street .	. . .
Main street . .	1	. .	Stop gate . . .	6-inch.	On east side of Twenty-first street .	. . .
Main street . .	1	. .	Puppet valve .	3-inch.	On east side of Twenty-second st .	. . .
Main street . .	1	30	Stop gate . . .	6-inch.	At its intersection with Twenty-fifth	. . .
Market street .	1	. .	Puppet valve .	3-inch.	On west side of Wenzel street . . .	. . .
Market street .	1	. .	Stop gate . . .	4-inch.	On east side of Campbell street . .	500
Market street .	1	. .	Puppet valve .	3-inch.	On west side of Shelby street . . .	500
Market street .	1	. .	Puppet valve .	3-inch.	On west side of Clay street	500
Market street .	1	. .	Stop gate . . .	4-inch.	At its intersection with Hancock st .	1,276
Market street .	1	. .	Stop cock . .	3-inch.	On west side of Jackson street . . .	750
Market street .	1	. .	Stop cock . .	3-inch.	On west side of Preston street . .	. . .
Market street .	1	. .	Puppet valve .	3-inch.	On east side of Preston street . . .	500
Market street .	1	. .	Stop cock .	3-inch.	At its intersection with Floyd street	1,035
Market street .	1	. .	Stop cock . .	3-inch.	70 feet east of Brook street	. . .
Market street .	1	. .	Stop gate . . .	4-inch.	On east side of First street	785
Market street .	1	. .	Stop gate . . .	4-inch.	105 feet east of Second street	. . .
Market street .	1	. .	Stop gate . . .	4-inch.	At its intersection with Third street	. . .
Market street .	1	. .	Stop gate . . .	3-inch.	At its intersection with Fourth st. .	. . .
Market street .	1	. .	Stop gate . . .	4-inch.	At its intersection with Fifth st. . .	. . .
Market street .	1	. .	Stop gate . . .	4-inch.	On west side of Sixth street	. . .
Market street .	1	. .	Stop cock . .	3-inch.	On west side of Eighth street . . .	983
Market street .	1	. .	Stop cock . .	3-inch.	On west side of Ninth street	. . .
Market street .	1	. .	Stop cock . .	3-inch.	On east side of Tenth street	979
Market street .	1	. .	Stop gate . . .	4-inch.	On west side of Eleventh street . .	100
Market street .	1	. .	Stop gate . . .	6-inch.	On east side of Twelfth street . . .	934
Market street .	1	. .	Stop gate . . .	6-inch.	Half way between 12th and 13th sts.	707
Market street .	1	. .	Puppet valve .	3-inch.	On west side of Seventeenth street .	. . .
Market street .	1	. .	Puppet valve .	3-inch.	On east side of Twentieth street . .	. . .
Market street .	1	. .	Puppet valve .	3-inch.	On west side of Twenty-first street.	. . .
Market street .	1	. .	Stop gate . . .	6-inch.	On west side of Twenty-third street	. . .
Market street .	1	27	Stop gate . . .	6-inch.	On east side of Twenty-sixth street	. . .
Jefferson street	1	. .	Puppet valve .	3-inch.	On west side of Shelby street . . .	. . .
Jefferson street	1	. .	Stop gate . . .	4-inch.	On east side of Jackson street . . .	100
Jefferson street	1	. .	Stop gate . . .	4-inch.	On west side of Preston street . . .	. . .
Jefferson street	1	. .	Stop gate . . .	3-inch.	Half way bet. Brook and First sts .	900
Jefferson street	1	. .	Stop gate . .	6-inch.	On east side of Second street . . .	. . .
Jefferson street	1	.	Stop gate . . .	6-inch.	On west side of Third street . . .	101
Jefferson street	1	. .	Stop cock . .	3-inch.	On west side of Fourth street . . .	. . .
Jefferson street	1	. .	Stop gate . . .	4-inch.	At its intersection with Fifth street.	. . .
Jefferson street	1	. .	Stop gate . . .	6-inch.	At its intersection with Sixth street.	. . .
Jefferson street	1	. .	Stop cock . .	3-inch.	On west side of Seventh street . . .	. . .
Jefferson street	1	. .	Stop gate . . .	6-inch.	On east side of Ninth street	. . .
Jefferson street	1	. .	Stop cock . .	3-inch	On east side of Tenth street	. . .
Jefferson street	1	. .	Stop gate . . .	6-inch.	On west side of Eleventh street . .	. . .
Jefferson street	1	. .	Stop gate . . .	3-inch.	On west side of Twelfth street . . .	200
Jefferson street	1	. .	Stop cock . .	3 inch.	On west side of Fourteenth street .	500
Jefferson street	1	. .	Puppet valve .	3-inch.	On west side of Sixteenth street . .	500
Jefferson street	1	. .	Puppet valve .	3-inch.	On east side of Seventeenth street .	. . .
Jefferson street	1	. .	Puppet valve .	3-inch.	On east side of Eighteenth	. . .
Jefferson street	1	. .	Puppet valve .	3-inch.	On east side of Nineteenth street .	500
Jefferson street	1	. .	Stop gate . . .	6-inch.	At its intersection with Twentieth st.	. . .
Jefferson street	1	21	Puppet valve .	3-inch.	On east side of Twenty-second st. . .	. . .
Green street	1	. .	Stop cock . .	3-inch.	On west side of Shelby street . . .	964
Green street .	1	. .	Stop gate . . .	4-inch.	At its intersection with Hancock st.	461
Green street .	1	. .	Stop gate . . .	3-inch.	On east side of Preston street . . .	100
Green street .	1	. .	Stop gate . . .	3-inch.	On west side of Floyd street	. . .
Green street .	1	. .	Stop cock . .	3-inch.	On west side of Brook street	100
Green street .	1	. .	Stop cock . .	3-inch.	On west side of First street	. . .
Green street .	1	. .	Stop gate . . .	4-inch.	On west side of Fourth street . . .	100
Green street .	1	. .	Stop gate . . .	4-inch.	On east side of Fifth street	100
Green street .	1	. .	Stop gate . . .	4-inch.	On west side of Sixth street	100
Green street .	1	. .	Puppet valve .	3-inch.	On west side of Tenth street	500
Green street .	1	. .	Stop gate . . .	3-inch.	On east side of Twelfth street . . .	. . .
Green street .	1	12	Stop gate . . .	3-inch.	On west side of Fourteenth street .	. . .
Grayson street.	1	. .	Puppet valve .	3-inch.	On east side of Eighteenth street .	. . .

SCHEDULE No. IV.—Continued.

In.	Number	Total	Description of Stops.	Size.	LOCATION.	Capacity Cu. bbls.
Grayson street.	1		Stop gate	3 inch.	On east side of Twentieth street	
Grayson street.	1	3	Stop gate	6-inch.	Half way bet. 22d and Mercer	
Lafayette st		1	Stop cock	3-inch.	On east side of Floyd street	1,084
Walnut street	1		Stop cock	3-inch.	On east side of Clay street	109
Walnut street	1		Stop gate	3-inch.	At its intersection with Jackson st.	646
Walnut street	1		Stop gate	3-inch.	On west side of Preston street	924
Walnut street	1		Stop gate	3-inch.	On west side of Floyd street	
Walnut street	1		Stop gate	3-inch.	Half way bet. First and Second sts	
Walnut street	1		Stop cock	3-inch.	On east side of Second street	100
Walnut street	1		Stop gate	4-inch.	On east side of Fourth street	100
Walnut street	1		Stop gate	4-inch.	60 feet east of Fifth street	
Walnut street	1		Stop cock	3-inch.	On east side of Sixth street	1,149
Walnut street	1		Stop gate	4-inch.	On east side of Seventh street	
Walnut street	1		Stop gate	4-inch.	At its intersection with Eighth st	1,047
Walnut street	1		Stop gate	4-inch.	On east side of Ninth street	105
Walnut street	1		Puppet valve	3-inch.	On west side of Twelfth street	1,120
Walnut street	1		Puppet valve	3-inch.	On west side of Fifteenth street	
Walnut street	1	15	Puppet valve	3-inch.	On west side of Eighteenth street	500
Madison street.	1		Stop gate	3-inch.	On east side of Campbell street	
Madison street.	1		Stop gate	4-inch.	On west side of Shelby street	600
Madison street.	1		Stop cock	3-inch.	On east side of Clay street	600
Madison street.	1		Stop cock	3-inch.	On west side of Preston street	644
Madison street.	1		Puppet valve	3-inch.	On west side of Eighth street	500
Madison street.	1	6	Stop cock Stop gate	3-inch. 6-inch.	On west side of Ninth street	1,209
Chestnut st	1		Puppet valve	3-inch.	On east side of Campbell street	
Chestnut st	1		Puppet valve	3-inch.	On east side of Clay street	
Chestnut st	1		Puppet valve	3-inch.	On west side of Hancock street	500
Chestnut st	1		Stop gate	3-inch.	On east side of Jackson street	
Chestnut st	1		Stop cock	3-inch.	On east side of Preston street	100
Chestnut st	1		Stop cock	3-inch.	On west side of Floyd street	100
Chestnut st	1		Puppet valve	3-inch.	On west side of Brook street	100
Chestnut st	1		Stop cock	3-inch.	At its intersection with First street	
Chestnut st	1		Stop cock	3-inch.	Half way between 2d and 3d streets	601
Chestnut st	1		Stop gate	4-inch.	On east side of Fifth street	
Chestnut st	1		Stop cock	3-inch	On east side of Sixth street	1,141
Chestnut st	1		Stop cock	3-inch.	On east side of Seventh street	
Chestnut st	1		Stop gate	4-inch.	At its intersection with Eighth st.	
Chestnut st	1		Stop gate	4-inch.	On east side of Ninth street	100
Chestnut st	1		Puppet valve	3-inch.	On west side of Twelfth street	
Chestnut st	1		Puppet valve	3-inch.	On west side of Fourteenth street	
Chestnut st	1		Puppet valve	3-inch.	On west side of Fifteenth street	
Chestnut st	1		Puppet valve	3-inch.	On west side of Sixteenth street	500
Chestnut st	1		Puppet valve	3-inch.	On west side of Seventeenth street	
Chestnut st	1	20	Stop gate	6-inch.	On east side of Eighteenth street	
Gray street	1		Puppet valve	3-inch.	On west side of Clay street	
Gray street	1		Stop gate	4-inch.	On east side of Jackson street	947
Gray street	1		Stop cock	3-inch.	On west side of Floyd street	100
Gray street	1	4	Stop cock	3-inch.	On west side of First street	100
Magazine st	1		Puppet valve	3-inch.	On west side of Seventh street	500
Magazine st	1		Stop gate	4-inch.	On west side of Ninth street	975
Magazine st	1		Stop gate	6-inch.	On east side of Thirteenth street	
Magazine st	1		Puppet valve	3-inch.	On east side of Fourteenth street	500
Magazine st	1	5	Stop gate	6-inch.	On west side of Twenty-first street	
Broadway	1		Stop gate	3-inch.	On west side of Underhill street	
Broadway	1		Stop gate	3-inch.	On east side of Campbell street	500
Broadway	1		Stop cock	3-inch.	On west side of Preston street	100
Broadway	1		Stop cock	3-inch.	On west side of Floyd street	100
Broadway	1		Stop cock	3-inch.	On west side of Brook street	100
Broadway	1		Stop cock	3-inch.	On east side of Second street	100
Broadway	1		Stop gate	6-inch.	On east side of Third street	
Broadway	1		Puppet valve	3-inch.	On west side of Fourth street	500
Broadway	1		Puppet valve	3-inch.	On east side of Fifth street	
Broadway	1		Stop cock	3-inch.	At its intersection with Sixth street.	
Broadway	1		Stop cock	3-inch.	On east side of Seventh street	812
Broadway	1		Stop gate	6-inch.	On west side of Eighth street	
Broadway	1		Stop gate	4-inch.	On west side of Ninth street	209
Broadway	1		Puppet valve	3-inch.	On west side of Eleventh street	
Broadway	1		Puppet valve	3-inch.	On west side of Twelfth street	
Broadway	1		Puppet valve	3-inch.	On west side of Thirteenth street	
Broadway	1		Stop gate	3-inch.	On west side of Fifteenth street	
Broadway	1	18	Stop gate	4-inch.	On east side of Eighteenth street	

SCHEDULE No. IV.—Continued.

In.	Number	Total.	Description of Stops.	Size.	LOCATION.	Capacity in bbls.
Hamilton ave	1		Stop gate.	6-inch.	On east side of Cooper street	
Hamilton ave	1	2	Stop gate.	6-inch.	Near Gregory street	
Hull street	1		Stop gate.	4-inch.	West side of Pine street	
Hull street	1	2	Stop gate.	6-inch.	On east side of Baxter avenue	
Rogers street		1	Stop gate.	4-inch.	East side of Baxter avenue	
Jacob street	1		Stop gate.	3-inch.	On west side of Hancock street	
Jacob street	1		Stop gate.	4-inch.	On east side of Preston street	
Jacob street	1		Puppet valve.	3-inch.	On west side of Floyd street	500
Jacob street	1		Puppet valve.	3-inch.	On east side of First street	
Jacob street	1	5	Puppet valve.	3-inch.	On east side of Second street	
Laurel street	1		Stop gate.	4-inch.	On east side of Preston street	
Laurel street	1	2	Stop gate.	4-inch.	On west side of Jackson street	
Roselane street		1	Stop gate.	3-inch.	On west side of Shelby street	
Maple street	1		Stop gate.	4-inch.	On west side of Fifteenth street	
Maple street	1	2	Stop gate.	4-inch.	On east side of Eighteenth street	
College street	1		Stop gate.	3-inch.	On west side of Preston street	
College street	1	2	Stop gate.	6-inch.	On east side of Second street	
Cawthon street	1		Stop gate.	4-inch.	On east side of Eighth street	
Cawthon street	1	2	Stop gate.	3-inch.	On east side of Ninth street	
Lexington st.		1	Puppet valve.	3-inch.	On west side of Sixth street	
Lampton st		1	Stop gate.	4-inch.	On west side of Jackson street	
Howard street.		1	Stop gate.	6-inch.	On west side of Eighteenth street	
Breckinridge st	1		Stop gate.	6-inch.	On east side Clay street	
Breckinridge st	1		Stop gate.	4-inch.	On east side of Jackson street	
Breckinridge st	1		Puppet valve.	3-inch.	On east side of Preston street	
Breckinridge st	1		Puppet valve.	3-inch.	On west side of Floyd street	
Breckinridge st	1		Stop gate.	3-inch.	On east side of Brook street	
Breckinridge st	1		Puppet valve.	3-inch.	On east side of First street	
Breckinridge st	1		Puppet valve.	3-inch.	On west side of Second street	500
Breckinridge st	1		Stop gate.	6-inch.	On east side of Third street	
Breckinridge st	1		Stop cock	3-inch.	On east side of Fourth avenue	900
Breckinridge st	1	10	Puppet valve.	3-inch.	On east side of Fifth street	500
Caldwell street	1		Stop gate.	6-inch.	On west side of Clay street	
Caldwell street	1		Stop gate.	6-inch.	On east side of Jackson street	
Caldwell street	1		Stop gate.	4-inch.	On east side of Preston street	
Caldwell street	1	4	Puppet valve.	3-inch.	On east side of Floyd street	
Southgate st.		1	Stop gate.	4-inch.	On east side of Fifteenth street	
Kentucky st.	1		Stop gate.	4-inch.	On west side of Fourth avenue	
Kentucky st.	1		Stop gate.	4-inch.	On west side of Fifth street	
Kentucky st.	1		Stop gate.	4-inch.	On west side of Sixth street	
Kentucky st.	1		Stop gate.	6-inch.	Near Tenth street	
Kentucky st.	1		Stop gate.	4-inch.	On east side of Fourteenth street	
Kentucky st,	1	6	Stop gate.	3-inch.	At its intersection with 17th street	
Prentice street	1		Stop gate.	4-inch.	On west side of Fifteenth street	
Prentice street	1	2	Stop gate.	4-inch.	On west side of Seventeenth street	
Churchill st		1	Stop gate.	4-inch.	On west side of Seventh street	
St. Catherine st	1		Stop gate.	6-inch.	On west side of Preston street	
St. Catherine st	1		Stop gate.	6-inch.	On east side of Floyd street	
St. Catherine st	1		Stop gate.	6-inch.	On east side of Brook street	
St. Catherine st	1		Stop gate.	4-inch.	On east side of Second street	
St. Catherine st	1		Puppet valve.	3-inch.	On east side of Third street	
St. Catherine st	1	6	Stop gate.	6-inch	On east side of Fourth avenue	
Gallagher st		1	Stop gate.	4-inch.	On west side of Fifteenth street	
Oak street	1		Stop gate.	5-inch	On west side of Floyd street	
Oak street	1		Puppet valve.	3-inch.	On west side of Third street	500
Oak street	1		Stop gate.	6-inch.	On east side of Fourth avenue	
Oak street	1	4	Stop gate.	4-inch.	On east side of Sixth street	
Weissinger ave		1	Stop gate.	4-inch.	On west side of Third street	
Ormsby ave	1		Stop gate.	4-inch.	On west side of Second street	
Ormsby ave	1	2	Stop gate.	4-inch.	On west side of Fourth avenue	
Payne street	1		Stop gate.	4-inch.	On west side of Cooper street	
Payne street	1		Stop gate.	6-inch.	At intersection of Hamilton avenue.	
Payne street	1	3	Puppet valve.	3-inch.	On east side of Baxter avenue	
B street		1	Stop gate.	4-inch.	On west side of Third street	
C street		1	Stop gate.	4-inch.	On west side of Fourth avenue	
Shipp avenue		1	Puppet valve.	3-inch.	On east side of Second street	
Reservoir ave	1		Stop gate.	4-inch.	On north side of Frankfort avenue	
Reservoir ave	1	2	Stop gate.	4-inch.	On west side of Stone street	
Baxter avenue.	1		Stop gate.	4-inch.	At intersection with Gr'n & Garden	
Baxter avenue.	1		Stop gate.	6-inch.	On north side of Hamilton avenue	200
Baxter avenue.	1		Stop gate.	6-inch.	At intersection of Highland avenue	
Baxter avenue.	1		Puppet valve.	3-inch.	On north side of Broadway	

SCHEDULE No. IV.—Continued.

In.	Number	Total.	Description of Stops.	Size.	LOCATION.	Capacity in bbls.
Baxter avenue.	1	5	Stop gate. . .	4-inch.	At intersection with Christy avenue	
Brownsboro r'd		1	Stop gate. . .	4-inch.	On south side of Story avenue . . .	
Haldeman ave.		1	Stop gate. . .	4-inch.	In Col'd Blind Asylum grounds . .	
Pope street . .		1	Stop gate. . .	6-inch.	On north side of Frankfort avenue .	
Ohio street . .		1	Stop gate. . .	6-inch.	On south side of Maiden Lane . . .	
Adams street .		1	Stop gate. . .	6-inch.	Bet. Fulton and Van Buren streets .	
Webster street.		1	Stop gate. . .	4-inch.	On north side of Story avenue . . .	
Cabel street . .		1	Stop gate. . .	6-inch.	On south side of Fulton street . . .	
Buchanan st. .	1		Stop gate. . .	4-inch.	On north side of Story avenue . . .	600
Buchanan st. .	1	2	Stop gate . . .	4-inch.	On south side of Franklin street . .	
Johnson street.		1	Puppet valve Stop gate . .	3-inch. 6-inch.	On north side of Market street .	
Underhill st. .		1	Stop gate . . .	4-inch.	Bet. Overhill street and Broadway .	
Garden street .		1	Puppet valve .	3-inch.	On north side of Madison street . .	500
Wenzel street .	1		Stop cock . .	3-inch.	On north side of Jefferson street . .	879
Wenzel street .	1		Stop gate. . .	4-inch.	On north side of Green street . . .	
Wenzel street .	1	3	Stop gate . .	6-inch.	On south side of Walnut street . . .	
Brent street . .		1	Stop gate . .	4-inch.	Bet. Broadway and Lampton streets	
Campbell st . .	1		Stop cock . .	3-inch.	At its intersection with Main street.	1,041
Campbell st . .	1		Puppet valve.	3-inch.	On north side of Jefferson street . .	500
Campbell st . .	1		Puppet valve .	3-inch.	On north side of Green street . . .	
Campbell st . .	1	4	Stop gate .	3-inch.	On south side of Walnut street . .	500
Logan street .	1		Puppet valve.	3-inch.	At its intersection with Mason street	500
Logan street . .	1	2	Stop gate . . .	6-inch.	On north side of Mary street . . .	
Shelby street .	1		Stop gate . .	4-inch.	At its intersection with Franklin st.	
Shelby street .	1		Puppet valve.	3-inch.	On south side of Walnut street . .	
Shelby street .	1		Puppet valve.	3-inch.	On north side of Broadway	500
Shelby street .	1		Stop gate . .	6-inch.	At intersection of Dandridge ave. .	
Shelby street .	1	5	Stop gate . .	6-inch.	On south side of Milk street	
Clay street . .	1		Puppet valve.	3-inch.	On south side of Fulton street . . .	
Clay street . .	1		Stop cock . .	3-inch.	On north side of Jefferson street . .	
Clay street . .	1		Puppet valve.	3-inch.	On south side of Green street . . .	
Clay street . .	1	4	Puppet valve.	3-inch.	On south side of Broadway	
Hancock street	1		Stop gate . .	6-inch.	On north side of Jefferson street . .	
Hancock street	1		Puppet valve.	3-inch.	On south side of Walnut street . . .	
Hancock street	1	3	Puppet valve.	3-inch.	On north side of Broadway	500
Jackson street.	1		Stop gate . .	4-inch.	On north side of Green street . . .	928
Jackson street.	1		Puppet valve.	3-inch.	On south side of Broadway	
Jackson street.	1	3	Stop gate . .	6-inch.	On south side of Kentucky street . .	
Preston street .	1		Stop gate . .	6 & 4-in	On south side of Fulton street . . .	
Preston street .	1		Puppet valve.	3-inch.	On south side of Kentucky street . .	
Preston street .	1	3	Stop gate . .	6-inch.	On south side of Knapp street . . .	
Floyd street . .	1		Stop gate . .	6-inch.	On north side of Jefferson street . .	
Floyd street . .	1	2	Stop gate . .	3-inch.	On north side of College street . .	
Brook street .	1		Stop gate . .	4-inch.	On north side of Gray street . . .	100
Brook street .	1	2	Stop gate . .	4-inch.	On south side of Jacob street . . .	
East street . .	1		Stop cock . .	3-inch.	On north side of Walnut street . . .	100
East street . .	1	2	Stop gate . .	4-inch.	At its intersection with Madison st .	
First street . .	1		Stop gate . .	4-inch.	Half way bet. Walnut and Chestnut	1,075
First street . .	1		Puppet valve.	3-inch.	On south side of Broadway	
First street . .	1		Puppet valve.	3-inch.	On south side of College street . .	
First street . .	1	4	Stop gate . .	6-inch.	Opposite Magnolia avenue	
Snead street .		1	Stop gate . .	4-inch.	On north side of Washington st . .	
Second street .	1		Stop gate . .	6-inch.	On south side of Main street	
Second street .	1		Stop gate . .	6-inch.	Half way bet. Green and Walnut sts	1,010
Second street .	1		Stop gate . .	4-inch.	On north side of Guthrie street . .	1,010
Second street .	1		Stop cock . .	3-inch.	At its intersection with Gray street.	684
Second street .	1	5	Puppet valve.	3-inch.	On south side of Kentucky street . .	
Third street . .	1		Stop gate . .	6-inch.	On south side of Main street	
Third street . .	1		Puppet valve.	3-inch.	Half way bet. Green and Walnut. .	756
Third street . .	1		Stop gate . .	4-inch.	At its intersection with Guthrie st. .	1,007
Third street . .	1		Stop gate . .	4-inch.	Half way bet. Chestnut & Broadway	904
Third street . .	1	5	Puppet valve.	3-inch.	On north side of Kentucky street . . .	
Fourth avenue.	1		Stop gate . .	4-inch.	Half way bet. Walnut and Chestnut	838
Fourth avenue.	1		Stop gate . .	3-inch.	Half way bet. Chestnut & Broadway	900
Fourth avenue.	1		Stop gate . .	4-inch.	200 feet north of York street	100
Fourth avenue.	2	5	Stop gate . .	6-inch.	Bet. Magnolia ave. and Hill street . .	
Bullitt street .		1	Stop cock . .	3-inch.	120 feet north of Main street	
Fifth street . .	1		Puppet valve.	3-inch.	On south side of York street	
Fifth street . .	1	2	Stop gate . .	3-inch.	On north side of Oak street	
Seventh street.	1		Stop gate . .	4-inch.	At its intersection with Market st . .	
Seventh street.	1		Stop gate . .	4-inch.	On south side of Green street . . .	100

SCHEDULE No. IV.—Continued.

In.	Number.	Total.	Description of Stops.	Size.	LOCATION.	Capacity in bbls.
Seventh street.	1		Puppet valve.	3-inch.	On south side of York street	
Seventh street.	1		Stop gate	6-inch.	On north side of Oak street	
Seventh street.	1	5	Stop gate	6-inch.	On south side of Magnolia avenue	
Eighth street	1		Stop gate	6-inch.	On south side of Jefferson street	
Eighth street	1		Stop gate	4-inch	On south side of Green street	100
Eighth street	1	3	Puppet valve.	3-inch.	On north side of York street	500
Ninth street	1		Stop gate	4-inch.	On south side of Green street	100
Ninth street	1		Stop gate	4-inch.	On south side of York street	
Ninth street	1		Puppet valve.	3-inch.	On north side of Lexington street	
Ninth street	1	4	Stop gate	6-inch.	On north side of Kentucky	
Tenth street	1		Stop cock	3-inch.	At its intersection with Walnut st.	
Tenth street	1		Puppet valve.	3-inch.	On north side of Chestnut street	
Tenth street	1		Puppet valve.	3-inch.	On north side of Broadway	500
Tenth street	1	4	Stop gate	4-inch.	On north side of Monroe street	
West street		1	Stop gate	3-inch.	On north side of Grayson street	
Eleventh street	1		Puppet valve.	3-inch.	On south side of Grayson street	
Eleventh street	1		Puppet valve.	3-inch.	On north side of Walnut street	500
Eleventh street	1		Puppet valve.	3-inch.	On north side of Chestnut street	500
Eleventh street	1		Stop gate	4-inch.	On north side of Maple street	
Eleventh street	1	5	Stop gate	4-inch.	On south side of Lexington street	
Twelfth street.	1		Puppet valve.	3-inch.	On north side of Maple street	
Twelfth street.	1		Puppet valve.	3-inch.	On south side of Delaware street	
Twelfth street.	1	3	Stop gate	6-inch.	On south side of Lexington street	
Thirteenth st	1		Puppet valve.	3-inch.	On south side of Jefferson street	
Thirteenth st	1		Stop gate	3-inch.	On south side of Grayson street	
Thirteenth st	1		Puppet valve.	3-inch.	On north side of Walnut street	
Thirteenth st	1		Stop gate	3-inch.	On south side of Madison street	
Thirteenth st	1		Stop gate	4-inch.	On south side of Magazine street	
Thirteenth st	1	6	Puppet valve.	3-inch.	On north side of Maple street	
Fourteenth st	1		Puppet valve.	3-inch.	On south side of Portland avenue	
Fourteenth st	1		Puppet valve.	3-inch.	On north side of Walnut street	500
Fourteenth st	1	3	Puppet valve.	3-inch.	On north side of Market street	500
Fifteenth st	1		Puppet valve.	3-inch.	Between Duncan and Portland ave	
Fifteenth st	1	2	Stop cock	3-inch.	On north side of Market street	
Sixteenth st	1		Stop gate	4-inch.	On south side of Main street	
Sixteenth st	1		Puppet valve.	3-inch.	On north side of Walnut street	500
Sixteenth st	1		Stop gate	6-inch.	On north side of Market street	
Sixteenth st	1		Stop gate	4-inch.	On south side of Madison street	
Sixteenth st	1	5	Stop gate	6-inch.	On north side of Lexington	
Seventeenth st.	1	1	Puppet valve.	3-inch.	On north side of Walnut street	500
Eighteenth st	1		Stop gate	6-inch.	At its intersection with High ave	
Eighteenth st	1		Puppet valve.	3-inch.	On north side of Market street	
Eighteenth st	1	3	Puppet valve.	3-inch.	On north side of Portland avenue	
Nineteenth st	1		Stop gate	3-inch.	Between Duncan and Harney sts	
Nineteenth st	1		Stop gate	4-inch.	On north side of Walnut street	
Nineteenth st	1		Puppet valve.	3-inch.	On north side of Chestnut street	
Nineteenth st	1	4	Stop gate	3-inch.	On south side of Madison street	
Twenty-first st	1		Stop gate	4-inch.	On south side of Portland avenue	
Twenty-first st	1		Stop gate	4-inch.	On north side of Walnut street	
Twenty-first st	1	3	Puppet valve.	3-inch.	On north side of Chestnut street	
Twenty-second	1		Stop gate	4-inch.	On south side of Walnut street	
Twenty-second	1	2	Stop gate	4-inch.	On south side of Madison street	
Twenty-fourth	1		Puppet valve.	3-inch.	On north side of Main street	
Twenty-fourth	1	2	Puppet valve.	3-inch.	On north side of Portland avenue	
Mercer st	1	1	Stop gate	4-inch.	On north side of Walnut street	
Twenty-fifth st	1	1	Stop gate	6-inch.	On north side of Chestnut street	
Twenty-sixth	1	1	Puppet valve.	3-inch.	On south side of Portland avenue	
Twenty-sev'nth	1	1	Puppet valve.	3-inch.	On north side of Portland avenue	
Twenty-ninth	1	1	Puppet valve.	3-inch.	On north side of Portland avenue	
Thirtieth street	1	1	Stop gate	3-inch.	On south side of Montgomery street	
Thirty-first	1	1	Puppet valve.	3-inch.	On north side of Portland avenue	
Thirty-third	1	1	Puppet valve.	3-inch.	On north side of High avenue	
Thirty-fourth	1		Puppet valve.	3-inch.	On north side of High avenue	
Thirty-fourth	1		Puppet valve.	3-inch.	On north side of Rudd avenue	
Thirty-fourth	1	3	Puppet valve.	3-inch.	On north side of Water street	
Thirty-fifth	1		Stop gate	3-inch.	On north side of Missouri avenue	
Thirty-fifth	1	2	Stop cock	3-inch.	On north side of Rudd avenue	
		420				

DIRECTIONS—The stop-cocks open and close by turning one-quarter revolution. The puppet valves open full capacity by turning sixteen (16) revolutions *backward*, and close by turning *forward*. The stop gates open full capacity by turning from eighteen (18) to twenty-four (24) revolutions *forward*, and close by turning *backward*. One man's power, with an eight (8) inch lever, is all that should be applied to the puppet valves and stop gates; it will always operate them when turning in the right direction.

SCHEDULE No. IV.—Continued.

FIRE HYDRANTS.

In.	Number.	Total.	Size.	LOCATION.
Reservoir ave .	1	. .	4-inch.	258 feet west of Frankfort avenue.
Reservoir ave .	1	. .	4-inch.	261 feet east of Spring street.
Reservoir ave .	1	3	4-inch.	506 feet west of Spring street.
Water street .	. .	1	4-inch.	Between Fourth and Bullitt streets.
Maiden Lane .	. .	1	4-inch.	Between Adams and Ohio streets.
High street . .	. .	1	4-inch.	Between Thirty-second and Thirty-third streets.
Story avenue .	1	. .	4-inch.	Between Frankfort avenue and Brownsboro road.
Story avenue .	1	. .	3-inch.	Between Frankfort avenue and Adams street.
Story avenue .	1	. .	4-inch.	218 feet east of Webster street.
Story avenue .	1	. .	4-inch.	201 feet east of Cabel street.
Story avenue .	1	. .	4-inch.	13 feet east of Pocahontas street.
Story avenue .	1	. .	4-inch.	177 feet east of Johnson street.
Story avenue .	1	7	4-inch.	287 feet west of Johnson street.
Washington st.	1	. .	4-inch.	On west side of Jackson street.
Washington st.	1	2	4-inch.	On east side of Second street.
Main street . .	1	. .	4-inch.	98 feet west of Brook street.
Main street . .	1	. .	4-inch.	90 feet east of First street.
Main street . .	1	. .	4-inch.	102 feet west of First street.
Main street . .	1	. .	4-inch.	51 feet east of Second street.
Main street . .	1	. .	4-inch.	102 feet west of Second street.
Main street . .	1	. .	4-inch.	102 feet east of Third street.
Main street . .	1	. .	4-inch.	41 feet west of Third street
Main street . .	1	. .	4-inch.	61 feet east of Fourth street.
Main street . .	1	. .	4-inch.	57 feet west of Fourth street.
Main street . .	1	. .	4-inch.	82 feet east of Fifth street.
Main street . .	1	. .	4-inch.	112 feet west of Fifth street.
Main street . .	1	. .	4-inch.	104 feet east of Sixth street.
Main street . .	1	. .	4-inch.	105 feet west of Sixth street.
Main street . .	1	. .	4-inch.	93 feet east of Seventh street.
Main street . .	1	. .	4-inch.	130 feet west of Seventh street.
Main street . .	1	. .	4-inch.	136 feet east of Eighth street.
Main street . .	1	. .	4-inch.	107 feet west of Eighth street.
Main street . .	1	. .	4-inch.	100 feet east of Ninth street.
Main street . .	1	. .	4-inch.	112 feet west of Ninth street.
Main street . .	1	. .	4-inch.	130 feet east of Tenth street.
Main street . .	1	. .	4-inch.	124 feet west of Tenth street.
Main street . .	1	. .	4-inch.	107 feet east of Eleventh street.
Main street . .	1	. .	4-inch.	116 feet west of Eleventh street.
Main street .	1	. .	4-inch.	107 feet east of Twelfth street.
Main street . .	1	. .	4-inch.	110 feet west of Twelfth street.
Main street . .	1	. .	4-inch.	103 feet east of Thirteenth street.
Main street . .	1	. .	4-inch.	107 feet west of Thirteenth street.
Main street . .	1	. .	4-inch.	104 feet east of Fourteenth street.
Main street . .	1	. .	4-inch.	104 feet west of Fourteenth street.
Main street . .	1	30	4-inch.	122 feet east of Fifteenth street.
Market street .	1	. .	4-inch.	103 feet west of Second street.
Market street .	1	. .	4-inch.	107 feet east of Third street.
Market street .	1	. .	4-inch.	99 feet west of Third street.
Market street .	1	. .	4-inch	113 feet east of Fourth street.
Market street .	1	. .	4-inch.	105 feet west of Fourth street.
Market street .	1	. .	4-inch.	104 feet east of Fifth street.
Market street .	1	. .	4-inch.	107 feet west of Fifth street.
Market street .	1	. .	4-inch.	105 feet east of Sixth street.
Market street .	1	. .	4-inch.	104 feet west of Sixth street.
Market street .	1	10	4-inch.	107 feet east of Seventh street.
Jefferson street	1	. .	4-inch.	2 feet west of Fourth street.
Jefferson street	1	. .	4-inch.	4 feet east of Fifth street.
Jefferson street	1	. .	4-inch.	1 foot west of Fifth street.
Jefferson street	1	4	4-inch.	8 feet east of Sixth street.
Green street .	1	. .	4-inch.	329 feet east of Wenzel street.
Green street .	1	. .	4-inch.	261 feet west of Wenzel street.
Green street .	1	. .	4-inch.	264 feet east of Shelby street.
Green street .	1	. .	4-inch.	255 feet east of Clay street.
Green street .	1	. .	4-inch.	201 feet west of Clay street.
Green street .	1	. .	4-inch.	244 feet west of Hancock street.
Green street .	1	. .	4-inch.	87 feet west of Jackson street.
Green street .	1	. .	4-inch.	147 feet east of Preston street.
Green street .	1	. .	4-inch.	235 feet west of Preston street.
Green street .	1	. .	4-inch.	270 feet west of Floyd street.
Green street .	1	. .	4-inch.	263 feet east of First street.
Green street .	1	. .	4-inch	196 feet west of First street.
Green street .	1	. .	4-inch.	231 feet east of Third street.

SCHEDULE No. IV.—Continued.

In.	Number	Total.	Size.	LOCATION.
Green street	1		4-inch.	188 feet west of Third street.
Green street	1		4-inch.	207 feet east of Fifth street.
Green street	1		4-inch.	24 feet west of Center street.
Green street	1		4-inch.	191 feet east of Seventh street.
Green street	1		4-inch.	207 feet east of Eighth street.
Green street	1	19	4-inch.	207 feet west of Eighth street.
Storeh'e at office		1	4-inch.	
Walnut street	1		4-inch.	206 feet east of Second street.
Walnut street	1		4-inch.	230 feet east of Third street.
Walnut street	1		4-inch.	200 feet east of Fourth street.
Walnut street	1		10-inch	Between Third and Fourth streets.
Walnut street	1	5	4-inch.	231 feet east of Fifth street.
Broadway		1	4-inch.	At its intersection with Fourth street. (Lowry hydrant.)
Garden street		1	4-inch.	On north side of Chestnut street.
Jackson street.	1		4-inch.	199 feet north of Market street.
Jackson street.	1		4-inch.	199 feet north of Jefferson street.
Jackson street.	1		4-inch.	186 feet north of Green street.
Jackson street.	1		4-inch.	201 feet south of Green street.
Jackson street.	1		4-inch.	149 feet south of Walnut street.
Jackson street.	1		4-inch.	158 feet north of Chestnut street.
Jackson street.	1		4-inch.	196 feet north of Gray street.
Jackson street.	1	8	4-inch.	146 feet north of Broadway.
First street	1		4-inch.	182 feet south of Water street.
First street	1		4-inch.	9 feet south of Washington street.
First street	1		4-inch.	105 feet south of Main street.
First street	1		4-inch.	112 feet north of Market street.
First street	1		4-inch.	112 feet south of Market street.
First street	1	6	4-inch.	116 feet north of Jefferson street.
Second street		1	4-inch.	On north side of Water street.
Third street	1		4-inch.	On north side of Water street.
Third street	1		4-inch.	North side of alley, between Main and Water.
Third street	1		4-inch.	452 feet north of Main street.
Third street	1		4-inch.	192 feet north of Main street.
Third street	1		4-inch.	131 feet south of Main street.
Third street	1		4-inch.	117 feet north of Market street.
Third street	1		4-inch.	92 feet south of Market street.
Third street	1		4-inch.	124 feet north of Jefferson street.
Third street	1		4-inch.	110 feet north of Green street.
Third street	1		4-inch.	165 feet south of Green street.
Third street	1		4-inch.	150 feet north of Walnut street.
Third street	1		4-inch.	371 feet south of Walnut street.
Third street	1		4-inch.	177 feet north of Chestnut street.
Third street	1		4-inch.	177 feet south of Chestnut street.
Third street	1		4-inch.	187 feet north of Broadway.
Third street	1		4-inch.	238 feet south of Kentucky street.
Third street	1		4-inch.	402 feet north of Oak street.
Third street	1		4-inch.	345 feet north of Ormsby avenue.
Third street	1	19	4-inch.	In House of Refuge grounds.
Fourth street	1		4-inch.	218 feet south of Kentucky street.
Fourth street	1		4-inch.	393 feet south of St. Catharine street.
Fourth street	1		4-inch.	354 feet north of Ormsby avenue.
Fourth street	1		4-inch.	196 feet south of Ormsby avenue.
Fourth street	1		4-inch.	222 feet south of Magnolia avenue.
Fourth street	1		4-inch.	472 feet south of Magnolia avenue.
Fourth street	1		4-inch.	621 feet south of Magnolia avenue.
Fourth street	1	8	4-inch.	868 feet south of Magnolia avenue.
Fifth street	1		4-inch.	On south side of Water street.
Fifth street	1	2	4-inch.	Between Main and Water streets.
Sixth street	1		4-inch.	On south side of Water street.
Sixth street	1	2	4-inch.	At its intersection with Nelson street.
Eighth street	1		4-inch.	186 feet north of Market street.
Eighth street	1		4-inch.	197 feet south of Market street.
Eighth street	1		4-inch.	8 feet north of Green street.
Eighth street	1		4-inch.	97 feet south of Grayson street.
Eighth street	1		4-inch.	171 feet south of Walnut street.
Eighth street	1		4-inch.	45 feet south of Madison street.
Eighth street	1		4-inch.	183 feet south of Chestnut street.
Eighth street	1		4-inch.	4 feet north of Magazine street.
Eighth street	1		4-inch.	221 feet south of Magazine street.
Eighth street	1		4-inch.	At its intersection with Cawthon street.
Eighth street	1	11	4-inch.	At its intersection with Lexington street.
Eleventh street	1		4-inch.	186 feet north of Main street.
Eleventh street	1		4-inch.	210 feet south of Main street.
Eleventh street	1	3	4-inch.	196 feet north of Jefferson street.

SCHEDULE No. IV.—Continued.

In.	Number	Total.	Size.	LOCATION.
Twenty-sixth st	. .	1	4-inch.	18 feet north of Beatty street.
Thirty-fourth .	1	. .	4-inch.	On south side of Water street.
Thirty-fourth .	1	2	4-inch.	South of Rudd avenue.
Thirty-fifth st.	. .	1	4-inch.	North of High avenue.
		150		

FIRE HYDRANTS DISCONTINUED.

Maiden Lane .	. .	1	4-inch.	Between Adams and Ohio streets.
Washington st.	. .	1	4-inch.	On west side of Jackson street.
Washington st.	. .	1	4-inch.	At its intersection with Second street.
Third street .	. .	1	4-inch.	North side alley, between Main and Water.
Eighth street .	. .	1	4-inch.	At its intersection with Cawthon street.
		145	. . . .	Total number in use January 1, 1887.

STREET-SPRINKLING HYDRANTS.

In.	Number	Total.	Size.	LOCATION.	Flush.	Post.
Portland ave. .	. .	1	4-inch.	Between Seventeenth and Eighteenth streets . .	. .	1
Story avenue .	1	. .	2-inch.	Between Frankfort avenue and Adams street . . .	1	. .
Story avenue .	1	. .	2-inch.	Between Adams and Webster streets	1	. .
Story avenne .	1	3	3-inch.	Between Adams and Webster streets	. .	1
Main street . .	1	. .	2-inch.	Between Shelby and Campbell streets	1	. .
Main street . .	1	2	2-inch.	Between Fourteenth and Fifteenth streets	1	. .
Market street .	1	. .	2-inch.	Between Shelby and Campbell streets	1	. .
Market street .	1	. .	3-inch.	Between Shelby and Campbell streets	. .	1
Market street .	1	3	2-inch.	Between Hancock and Jackson streets	1	. .
Jefferson street	1	. .	3-inch.	Between Fourth and Fifth streets	. .	1
Jefferson street	1	. .	2-inch.	Between Twelfth and Thirteenth streets	1	. .
Jefferson street	1	3	4-inch.	Between Twelfth and Thirteenth streets	. .	1
Green street .	1	. .	2-inch.	Between Clay and Shelby streets	1	. .
Green street .	1	. .	2-inch.	Between Hancock and Jackson streets	1	. .
Green street .	1	. .	4-inch.	Between Preston and Jackson streets	. .	1
Green street .	1	. .	3-inch.	Between Floyd and Brook streets	. .	1
Green street .	1	. .	4-inch.	Between Second and Third streets	. .	1
Green street .	1	6	3-inch.	Between Center and Fifth streets	. .	1
Walnut street .	. .	1	2-inch.	Between Second and Third streets	1	. .
Chestnut street	1	. .	4-inch.	Between Floyd and Preston streets	. .	1
Chestnut street	1	2	4-inch.	Between Seventeenth and Eighteenth streets . .	. .	1
Kellar street .	. .	1	4-inch.	Between Shelby and Campbell streets	. .	1
Broadway . . .	1	. .	3-inch.	Between Hancock and Clay streets	. .	1
Broadway . . .	1	. .	3-inch.	Between Jackson and Hancock streets	. .	1
Broadway . . .	1	. .	4-inch.	Between Center and Sixth streets	. .	1
Broadway . . .	1	. .	2-inch.	Between Sixth and Seventh streets	1	. .
Broadway . . .	1	5	4-inch.	Between Ninth and Tenth streets	. .	1
Jacob street . .	. .	1	3-inch.	Between Jackson and Preston streets	. .	1
Breckinridge st	. .	1	2-inch.	Between Sixth and Seventh	1	. .
Lampton street	. .	1	4-inch.	Between Jackson and Preston streets	. .	1
Caldwell street	. .	1	4-inch.	Between Hancock and Clay streets	. .	1
Kentucky st. .	1	. .	4-inch.	Between First and Second streets	. .	1
Kentucky st. .	1	2	3-inch.	Between Third and Fourth streets	. .	1
St. Catharine st	. .	1	4-inch.	Between Floyd and Preston streets	. .	1
Oak street . .	. .	1	4-inch.	Between Third and Fourth streets	. .	1
Shipp street . .	1	. .	4-inch.	Opposite First street	. .	1
Shipp street . .	1	2	4-inch.	At its intersection with Third street	. .	1
East Broadway	. .	1	2-inch.	Between Highland and Transit avenues	1	. .
Baxter avenue.	. .	1	4-inch.	Between Broadway and Rogers street	. .	1
Campbell street	. .	1	4-inch.	Between Main and Market	. .	1
Clay street . .	1	. .	4-inch.	Between Main and Market streets	. .	1
Clay street . .	1	. .	4-inch.	Between Market and Jefferson streets	. .	1

SCHEDULE No. IV.—Continued.

In.	Number.	Total.	Size.	LOCATION.	Flush.	Post.
Clay street	1	3	4-inch.	Between Jefferson and Green streets		1
Hancock street	1		3-inch.	Between Market and Jefferson streets		1
Hancock street	1		4-inch.	Between Madison and Chestnut streets		1
Hancock street	1	3	3-inch.	Between Gray and Broadway		1
Jackson street	1		2-inch.	Between Main and Market streets	1	
Jackson street	1		4-inch.	Between Main and Market streets		1
Jackson street	1	3	4-inch.	Between Market and Jefferson streets		1
Preston street	1		4-inch.	Between Main and Market streets		1
Preston street	1	2	2-inch.	Between Broadway and Jacob streets	1	
Floyd street	1		2-inch.	Between Main and Market streets	1	
Floyd street	1		4-inch.	Between Main and Market streets		1
Floyd street	1	3	4-inch.	Between Market and Jefferson streets		1
Brook street	1		2-inch.	Between Main and Market streets	1	
Brook street	1	2	3-inch.	Between Main and Market streets		1
East street		1	4-inch.	Opposite Madison street		1
First street	1		3-inch.	Between Main and Market streets		1
First street	1		2-inch.	Between Main and Market streets	1	
First street	1		3-inch.	Between Main and Market streets		1
First street	1	4	4-inch.	Between Ormsby and Magnolia avenues		1
Second street	1		2-inch.	Between Market and Jefferson streets	1	
Second street	1	2	2-inch.	Between Broadway and Jacob streets	1	
Third street	1		3-inch.	Between Main and Market streets		1
Third street	1		4-inch.	Between Main and Market streets		1
Third street	1		2-inch.	Between Jefferson and Green streets	1	
Third street	1		4-inch.	Between Green and Walnut streets		1
Third street	1		4-inch.	Between Walnut and Chestnut streets		1
Third street	1		2-inch.	Between Chestnut and Broadway	1	
Third street	1		4-inch.	Between Chestnut and Broadway		1
Third street	1	8	4-inch.	Between Breckinridge and Kentucky streets		1
Fourth street	1		2-inch.	Between Market and Jefferson streets	1	
Fourth street	1	2	4-inch.	Between Magnolia and Burnett streets		1
Fifth street	1		2-inch.	Between Main and Market streets	1	
Fifth street	1		4-inch.	Between Main and Market streets		1
Fifth street	1		4-inch.	Between Market and Jefferson streets		1
Fifth street	1	4	4-inch	Between Market and Jefferson streets		1
Center street	1		2-inch.	Between Chestnut and Broadway	1	
Center street	1	2	4-inch.	Between Chestnut and Broadway		1
Sixth street	1		4-inch.	Between Market and Jefferson streets		1
Sixth street	1		4-inch.	Between Walnut and Chestnut streets		1
Sixth street	1	3	4-inch.	Between Lexington and Kentucky streets		1
Seventh street.	1		2-inch.	Between Main and Market streets	1	
Seventh street.	1		2-inch.	Between Jefferson and Green streets	1	
Seventh street.	1		4-inch.	Between Jefferson and Green streets		1
Seventh street.	1	4	4-inch.	Between Magazine and Broadway		1
Eighth street		1	4-inch.	Between Grayson and Walnut streets		1
Ninth street	1		2-inch.	Between Main and Market streets	1	
Ninth street	1		4-inch.	Between Main and Market streets		1
Ninth street	1	3	3-inch.	Between Main and Market streets		1
Tenth street	1		3-inch.	Between Market and Jefferson streets		1
Tenth street	1		2-inch.	Between Jefferson and Green streets	1	
Tenth street	1		3-inch.	Between Jefferson and Green streets		1
Tenth street	1	4	4-inch.	Between Grayson and Walnut streets		1
Eleventh street		1	4-inch.	Between Market and Jefferson streets		1
Twelfth street.	1		4-inch.	Between Main and Rowan streets		1
Twelfth street.	1		2-inch.	Between Main and Market streets	1	
Twelfth street.	1	3	2-inch.	Between Broadway and Maple streets	1	
Thirteenth st		1	4-inch.	Between Chestnut and Magazine streets		1
Sixteenth st	1		2-inch.	Between Market and Jefferson streets	1	
Sixteenth st	1	2	4-inch.	Between Market and Jefferson streets		1
Seventeenth		1	4-inch.	Between Main and Market streets		1
Eighteenth st		1	3-inch.	Between Grayson and Walnut streets		1
		103			32	17

SCHEDULE No. IV.—Continued.

STREET SPRINKLING HYDRANTS DISCONTINUED.

Year.	In.	Number	Total.	Size.	LOCATION.	Flush.	Post.
1879	Story avenue		1	2-inch.	Between Adams and Webster	1	
1884	Main street		1	2-inch.	Between Fourteenth and Fifteenth	1	
1879	Market street.	1		2-inch.	Between Campbell and Shelby	1	
1886	Market st	1	2	3-inch.	Between Campbell and Shelby		1
1886	Jefferson st		1	3-inch.	Between Fourth and Fifth		1
1879	Jefferson st		1	2-inch.	Between Twelfth and Thirteenth	1	
1880	Walnut street.		1	2-inch.	Between Second and Third	1	
1885	Broadway	1		3-inch.	Between Hancock and Clay streets		1
1885	Broadway	1		3-inch.	Between Jackson and Hancock		1
1882	Broadway	1		4-inch.	Between Center and Sixth		1
1879	Broadway	1	4	2-inch.	Between Sixth and Seventh	1	
1882	Clay street		1	4-inch.	Between Main and Market		1
1879	Hancock st		1	3-inch.	Between Market and Jefferson		1
1881	Jackson street		1	2-inch.	Between Main and Market	1	
1881	Floyd street		1	2-inch.	Between Main and Market	1	
1884	Brook street		1	2-inch.	Between Main and Market	1	
1875	First street	1		2-inch.	Between Main and Market	1	
1884	First street	1	2	3-inch.	Between Main and Market		1
1880	Second street.	1		2-inch.	Between Market and Jefferson	1	
1881	Second street.	1	2	2-inch.	Between Broadway and Jacob	1	
1879	Third street	1		3-inch.	Between Main and Market		1
1883	Third street	1		4-inch.	Between Green and Walnut		1
1878	Third street	1	3	2-inch.	Between Chestnut and Broadway	1	
1885	Fourth street	1		2-inch.	Between Market and Jefferson	1	
1883	Fourth street.	1	2	4-inch.	Between Magnolia and Burnett		1
1878	Fifth street	1		2-inch.	Between Main and Market	1	
1885	Fifth street	1	2	4-inch.	Between Market and Jefferson		1
1878	Center street		1	2-inch.	Between Chestnut and Broadway	1	
1879	Sixth street		1	4-inch.	Between Market and Jefferson		1
1883	Eighth street.		1	4-inch.	Between Walnut and Grayson		1
1879	Ninth street		1	2-inch.	Between Main and Market	1	
1879	Tenth street	1		3-inch.	Between Market and Jefferson		1
1879	Tenth street	1	2	2-inch.	Between Jefferson and Green	1	
1879	Sixteenth st		1	2-inch.	Between Market and Jefferson	1	
			34			19	15
			69		Total number in use January 1, 1887	13	56

SCHEDULE

PIPES OF ALL SIZES FOR THE SUPPLY AND DISTRI

WHEN LAID.	DIAMETERS AND					
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.
Prev. to Jan. 1, 1862				3,650	16,252	2,870
In 1862						
In 1863					1,248	843
In 1864					1,900	
In 1865						
In 1866					3,353	63
In 1867				2,144		995
In 1868		49		11,368	7	
In 1869				8,316	36	30
In 1870				471	—81	71
In 1871				42	—22	
In 1872					1,920	16,074
In 1873					19	9,567
In 1874						
In 1875						6,525
In 1876						
In 1877			12,234	3,620	742	
In 1878				15,404		
In 1879	474		552	32	4	
In 1880						
In 1881						
Corrections for 1881						
In 1882						
Corrections for 1881						
In 1883						
In 1884				4,800	63	7
In 1885				1,659	3,923	
In 1886						12
	474	49	12,786	51,506	29,364	37,057

No. V.

BUTION OF WATER, LAID UP TO JANUARY 1, 1887.

LENGTH OF LINES.							TOTALS.	
12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Feet.	Miles.
. . .	5,519	5,467	35.132	66.538	1,843	. . .	137,271	25.998
. . .	. . . .	. . . .	2,145	5,649	36	. . .	7,830	1.483
. . .	1,410	1,876	5.579	14.169	352	. . .	25.477	4 825
. . .	2,474	1,066	8.736	19.052	202	210	33,640	6.371
. . .	. . . .	. . . .	816	4.421	679	. . .	5,916	1.120
. . .	. . . .	3,599	7.377	7.861	597	. . .	22,850	4.328
. . .	. . . .	2,489	4,781	4.299	148	. . .	14,856	2.814
. . .	. . . .	. . . .	5.754	1.339	19	11	18.547	3.513
. . .	868	75	4.385	3.970	319	36	18,035	3.416
. . .	. . . .	516	7.623	11.245	865	885	21,595	4.089
. . .	93	562	8,384	11.350	984	—128	21,265	4.028
. . .	. . . .	1,656	14.329	10,242	3,911	—885	47.247	8.948
6,409	4	2,727	18,116	20,638	1,216	. . .	58,696	11.117
. . .	. . . .	7,369	17,369	23,932	223	. . .	48,893	9.260
. . .	10	1,072	5,971	10,870	69	. . .	24.517	4.643
. . .	. . . .	. . . .	5.302	4.835	479	. . .	10,616	2.010
. . .	. . . .	—16	8,163	2,932	56	. . .	27.731	5.252
. . .	. . . .	359	3.716	1,559	—41	. . .	20.997	3.977
. . .	8	1,938	2,211	2.375	962	162	8,718	1.651
. . .	. . . .	2,929	4,393	5.602	—2	. . .	12,922	2.447
. . .	49	4,643	14,656	4.336	—143	. . .	23.541	4.459
. . .	. . . .	. . . .	—31	+275	. . .	. . .	+244	+.046
. . .	. . . .	. . . .	9.301	4.091	—129	. . .	13,263	2 512
. . .	. . . .	. . . .	+55	—116	. . .	. . .	—61	—.011
. . .	. . . .	901	5.917	4.359	—160	. . .	11,017	2.087
. . .	20	1,271	5.972	5.950	115	. . .	18,198	3.447
. . .	14	1,349	7,852	2,765	—104	. . .	17.458	3.307
26	. . . .	3,418	8,182	5,202	—173	. . .	16,667	3.157
6,435	10,469	45,266	222,186	259.740	12,323	291	687,946	130.293

SCHEDULE

LOCATION AND SIZES OF ALL LINES OF WATER PIPE IN

LOCATION OF LINES OF PIPE.	LENGTH OF LINES IN									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Pump main A, from the gate vault near the stand-pipe along the pipeway to the influent well in the gate house of Crescent Hill Reservoir				11,271						
Branch connection near beech tree										
Pump main B, from the gate vault near the stand-pipe along the pipeway to the influent well in the gate house of Crescent Hill Reservoir				11,281						
Drain connection in gate vault near stand-pipe										137
Branch in north side of gate vault, near Narrow Gauge Railway crossing								4		
Pump main, from stand-pipe to first gate vault on pipeway		49								
Connecting line A, from pump main A on pipeway to Reservoir				1,879						
Drain connection at foot of hill										
Connection from inside of Reservoir										225
Connecting line B, from pump main B on pipeway to Reservoir				2,105						
Drain connection at foot of hill										32
Connecting line around Reservoir, between connecting line A and the 20-inch and 30-inch supply mains to the city				491						
Drain connection to same										319
Connection between connecting line B and the 30-inch supply main to the city from Reservoir				73						
Connection between connecting line B and the 20-inch supply main to the city from Reservoir					36					
Effluent drain and waste pipe to Reservoir					852					
First supply and distributing main from Reservoir to Fifteenth and Main streets					23,670					
Branch connection to same										53
Second supply and distributing main, from southerly effluent pipe at Reservoir along Reservoir ave., Louisville, Cincinnati & Lexington Railroad and railroad grounds, Chestnut, Campbell, and Broadway streets to the intersection of Preston with Broadway				17,915	7					
Branch and drain connections to same									75	204
Carried forward		49		45,015	24,565			4	75	1,000

No. VI.

USE FOR THE SUPPLY AND DISTRIBUTION OF WATER.

FEET.			TOTALS.		STOP GATES.											FIRE SERVICE		STREET SPRINKLING HYDRANTS.
4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	2-inch	Cisterns	Hydrants	
			11,271				3												
196			196											1	2				
			11,281				3												
		11	148										3			2			
			4																
			49																
			1,879				2												
			30										1						
			225										1						
			2,105				2												
			32										1						
			491				3												
			319										3						
			73				1												
			36					1											
			852					7											
			23,670					8								1			
			53										4						
			17,922				1									1			
19			298										12	1		1			
215		11	70,934				15	16					25	2	2	5			

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in 48-inch	43-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch
Brought forward		49		45,015	24,565			4	75	1,000
Second supply and distributing main, n. s. Broadway, from 4 ft. w. of w. line of Eleventh street to 9 ft. e. of w. line of Preston street				6,459						
Branch and drain connections to same								20	97	138
Supply main, from effluent well in the gate house of Crescent Hill Reservoir to the Shelbyville turnpike, thence along said turnpike and Frankfort avenue to the intersection of Frankfort and Reservoir avenues			12,461							
Branch connection at Frankfort avenue and Pope street									24	
Connection between second supply main from Reservoir and the 36-inch supply main from Crescent Hill Reservoir at the intersection of Frankfort and Reservoir avenues				32						
Southerly supply main, from the effluent well in the gate house of Crescent Hill Reservoir through the gate house and Reservoir embankment to the south side of the auxiliary embankment	231									
Drain connection to same										
Northerly supply main, from the effluent well in the gate house of Crescent Hill Reservoir through the gate house and Reservoir embankment to the south side of the auxiliary embankment	243									
Drain connection to same										
Pump main C, from the north side of auxiliary bank thro'gh it and the westerly embankment of Crescent Hill Reservoir to the influent well in the gate house, lower line			161							
Pump main D, from the north side of auxiliary bank thro'gh it and the westerly embankment of Crescent Hill Reservoir to the influent well in the gate house, upper line			164							
Distributing main, w. s. Frankfort avenue, from 30-inch line on Reservoir avenue to 20-inch line on Story avenue					742					
Connections for same					4					16
Distributing main, s. s. Portland avenue, from 16-inch line on Fifteenth street to the west line of Thirty-third						9,170				
Branch connections to same								4	23	103
Distributing main, n. s. High avenue, from w. line Thirty-third to 47 ft. w. of the east line of Thirty-fourth street						467				
Carried forward	474	49	12,786	51,506	25,311	9,637		28	219	1,257

VI.—Continued.

Feet.			Totals		Stop Gates.										Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
215	. .	11	70,934	. . .	. .	. .	15	16	. .	. .	. .	. .	25	2	2	5	. .	. .	. . .
. .	. .	. .	6,459	. . .	. .	. .	3	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	. .	255	. .	. .	. .	. .	. .	. .	. .	1	6	9	. .	. .	. .	. .	. .	. . .
. .	. .	. .	12,461	. . .	. .	2	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	. .	. .	. . .
6	. .	.	30	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	. .	. .	. .	. .	. .	. . .
. .	. .	. .	32	. . .	. .	. .	2	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	. .	231	. . .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	81	81	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	. .	. . .
. .	. .	. .	243	. . .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	81	81	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	1	. .	. .	. . .
. .	. .	. .	161	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	. .	164	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	. .	742	. . .	. .	. .	. .	1	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
. .	. .	. .	20	. . .	. .	. .	. .	1	. .	. .	. .	. .	1	. .	. .	. .	. .	. .	. . .
. .	. .	. .	9,170	. . .	. .	. .	. .	. .	3	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
162	. .	. .	292	. . .	. .	. .	. .	. .	. .	. .	. .	1	5	10	. .	. .	. .	. .	. . .
. .	. .	. .	467	. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
338	. .	173	101,823	. . .	2	2	20	18	3	. .	1	8	40	12	3	7	. .	. .	. . .

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch	43-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch
Brought forward	474	49	12,786	51,506	25,311	9,637		28	219	1,257
Distributing main, s. s. Jefferson, from 16-in. line on Preston to 16-in. line on Eleventh						6,525				
Branch connection to same									130	83
Distributing main, n. s. Broadway, from 16-inch line on Eleventh st. to connect with 30-in. line on n. s. Broadway						14				
Distributing main, n. s. Kentucky, from 16-inch line on Preston to 16-inch line on Eleventh						6,700				
Branch connection to same									26	160
Distributing main, e.s. Preston, from 20-inch line on Main to 16-inch line on Kentucky					48	6,519				
Branch connection to same							9			41
Distributing main, w. s. Fifth street, from the 20-inch line on Main street to 99 feet southwardly, thence diagonally across 30.6 feet to east side, thence along the east side of Fifth street to 76 feet south of the 30-inch pipe on the north side of Broadway					3,986					
Branch and cistern connections to same								14	29	33
Distributing main, west side Eleventh, from 20-inch line on Main to 16-inch line on Kentucky						6,335				
Branch, drain, and cistern connection to same									18	145
Drain pipe, west side Twelfth, from 20-inch line on Main st. northwardly						67				
Distributing main, east side of Fifteenth st., from 20-inch line on Main to 16-inch line on Portland avenue						1,250				
Branch connection to same										19
Branch pipe, center Seventeenth street and Portland avenue						5				
Branch pipe, center Twenty-first st. and Portland avenue						5				
S. s. Water st., from Thirty-third to 151 ft. west of Thirty-seventh street										
N. s. Rudd avenue, from 382 feet east of Thirty-second to Thirty-sixth street										
S. s. High avenue from 4-inch line on Twelfth street to 6-inch line w. side of 17th st										
S. s. High avenue, from 6-inch line on w. Seventeenth st. to 8-inch line on east side 17th st.										250
S. s. High ave., from 8-inch line e. side Seventeenth st. to bet. 22d and 23d streets										
N.s. High ave., from 6-inch line on Montgomery st. to 16-inch line on Portland avenue										
Carried forward	474	49	12,786	51,506	29,345	37,057	9	42	422	1,988

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
383		173	101,823		2	2	20	18	3		1	8	40	12	3	7			
			6,525						4										
128	13		354									13	5	9					
			14						1										
			6,700						4										
			186									1	12						
			6,567						11										
			50							1			3						
			3,986					3											
11			87								1	2	3	2			1		
			6,335						5										
	8		171									1	12	1	1		1		
			67						1										
			1,250						1										
6			25										2						
			5						1										
			5						1										
2,213			2,213											6					
2,496			2,496											9			1		
2,346	13		2,359											3	2		3		
1			251										1	1					
3,208	15		3,223											9	1		1		
1,036			1,036											3			1	1	
11,828	49	173	145,728		2	2	20	21	32	1	2	25	78	55	7	7	8	1	

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	9	42	422	1,988
N. s. High ave., from Thirty-third to 8-inch cross on east side Thirty-fourth										
N. s. High ave., from 8-inch cross on e. side 34th st. to 8-inch line on e. side 35th st									513	
S. s. High ave., from 8-inch line e. side 35th st., to 295 ft. w. 8x6-inch cross e. side 38th st									1,861	
S. s. High ave., from 295 ft. w. of 8x6 inch cross east side 38th st. to city limits										
S. s. Montgomery, from 6-inch line on Twenty-fifth to 322 feet westwardly										322
S. s. Montgomery street, from 42 feet east to 241 feet west of Twenty-seventh										345
S. s. Montgomery street, from 4-inch line on High avenue to 133 ft. east of Thirtieth										832
N. s. Portland ave, from 4-inch line on Rowan to Eighteenth										
S. s. Portland ave., from Eighteenth street connection to west line Thirty-third										
N. s. Bank street, from 103 feet east of Sixteenth to 4-inch line on Seventeenth										
S. s. Bank st., from 6-inch line on Twenty-first to 876 ft. west										
N. s. Bank st., from 6-inch line on Twenty-sixth to 915 feet west of Twenty-seventh										
S. s. Harney street, from 4-inch line on Nineteenth to 242 feet west of Twentieth										
S. s. Lytle street, from 4-inch line on Duncan to 30 feet east of Seventeenth										
S. s. Duncan street, from 4-inch line on Lytle to 336 feet east of Fifteenth										
S. s. Duncan street, from 4-inch line on Bank to 25 feet west										
Center of Duncan street, east of 17th, cistern connection										
Center of Duncan street, east of 18th, cistern connection										
S. s. Duncan street, from 6-inch line on Eighteenth to 4-inch line on Nineteenth										
N. s. Rowan street, from 4-inch line on Twelfth to 6-inch line on Fourteenth										
N. s. Rowan street, from 6-inch line on Fourteenth to 163 feet west										163
N. s. Rowan st., east of Fifteenth—cistern connection										
N. s. Rowan st., from 16-inch line on 15th to 197 ft. w. of 16th										705
S. s. Rowan st., from 80 ft. e. of 4-inch line on Seventeenth to 98 feet west of same										
Carried forward	474	49	12,786	51,506	29,345	37,057	9	42	2,796	4,355

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
11,828	49	173	145,728		2	2	20	21	32	1	2	25	78	55	7	7	8	1	
461			461											1					
			513									3							
36			1,897									7		2			2		
707			707											1			1		
			322										1						
21			366										1	1			1		
			832										4						
2,773			2,773											8			1		1
7,710	10		7,720											13	1		1		
680			680											2					
876			876											1					
1,633			1,633											2			1		
789			789											2			1		
757	13		770												1		1		
530	16		546											3	1		2		
25			25																
	26		26												1		1		
28			28											1			1		
454			454											2					
949	10		959											4	1		1		
			163										1						
44			44											1			1		
45			750										3	1			1		
178			178											2					
30,524	124	173	169,240		2	2	20	21	32	1	2	35	88	102	12	7	24	1	1

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	9	42	2,796	4,355
S. s. Rowan street, from 6-inch line on Nineteenth, 341 feet east										
S. s. Rowan street, from 4-inch line on Nineteenth to 97 ft. w.										97
S. s. Rowan st. from 4-inch line on Twenty-first to 57 ft. e.										57
N. s. Monroe st., from 6-inch line on Tenth to 85 ft. west										
N. s. Monroe st., from 4-inch line on Twelfth to 313 ft. east										
S. s. Water st., from 6-inch line on Tenth to 205 feet east										
S. s. Water st., from 92 ft east of Third, to 4-inch line on Bullitt										
S. s. Water, from 4-inch line on Fourth to 134 feet west										
S. s. Water, from 6-inch line on First to 4-inch line on Second										499
S. s. Nelson, from 4-inch line on Sixth to 4-inch line on Seventh										
S. s. Ormsby street, from 4-inch line on Eighth to 4-inch line on Ninth										
N. s. Fulton street, from 6-inch line on Adams to 658 feet west of Cabel										
S. s. Fulton street, from 167 feet east of 6-inch line on Clay to 94 feet west of same										261
S. s. Fulton street, from 4-inch line on Preston to 248 feet e.										
N. s. Van Buren st., from 6-in. line on Adams to 384 feet e.										
S. s. Geiger st., from 4-inch line on Campbell to 469 ft. e.										
S. s. Quincy st., from 6-inch line on Adams to 254 ft. west										
S. s. Franklin st., from 6-inch line on Cabel to 86 ft. west										114
S. s. Franklin st., from 4-inch line on west side Buchanan to 146 feet eastwardly										
S. s. Franklin st., from 475 ft. east of 6-inch line on Wenzel to 6-inch line on Clay										19
S. s. Calhoun st., from 6-inch line on Adams to 230 ft. east										
Center of Calhoun st., east of Adams, cistern connection										46
S. s. Washington st., from 6-inch line on Adams to 398 ft. west of Webster										
S. s. Washington st., from line of 6-inch pipe on the east side of Cable st., to 450 ft. west										459
S. s. Washington st., from 4-inch line on Buchanan to 4-inch line on Second										
S. s. Maiden lane, from 4-inch line on Ohio street to 383 ft. west.										
Carried forward	474	49	12 786	51,506	29,345	37,057	9	42	2,796	5,907

VI.—Continued.

Feet.			Totals.		Stop Gates.												Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants	
30,524	124	173	169,240		2	2	20	21	32	1	2	35	88	102	12	7	24	1	1
355			355											2			1		
			97										1						
			57										1						
85			85											1					
313	10		323											1	1		1		
205			205											1					
1,397	12		1,409											8	1		1	1	
	134		134												1				
			499										2						
18	448		466											1	1				
	509		509												2				
1,684			1,684											2					
			261										1						
248	14		262												1				
384			384											1					
469			469											1					
254			254											1					
			114										2				1		
146			146											1					
2,214	39		2,272											7	3		3		
230			230											1					
			46										1				1		
895	12		907											3	1		1		
			459										2				1		
6,613	77		6,690											21	5		6		
383			383											1					
46,417	1,379	173	187,940		2	2	20	21	32	1	2	35	98	155	28	7	40	2	1

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	9	42	2,796	5,907
N. s. Brownsboro road, from 30-inch line to 6-inch line on e. s. Reservoir ave										20
N. s. Brownsboro road, from 143 ft. east to 273 ft. west of 6-in. line on Reservoir ave										416
N. s. Shelbyville pike, from 243 feet east of city limits eastwardly										426
N. s. Shelbyville pike, in front of Maj. Hays' property										30
N. s. Frankfort ave., from 4-inch line on Story ave. to 6-inch line on Reservoir ave										713
S. s. Frankfort ave., from 6-in. line on Reservoir ave. to 157 feet east of Haldeman ave.										2,313
S. s. Spring st., on w. s. Reservoir ave., cistern connection										
S. s. Spring st., from 6-inch line on Reservoir ave. to 6-inch line on Quarry st.										2,119
S. s. Shelbyville Branch pike, from 6-inch line on Quarry to Hospital										2,746
S. s. Story ave., from 88 ft. east of Brownsboro road to 6-inch line on Wenzel									22	34
Center Murrel's Court, from 4-inch line east side Third st., to 264 feet west										
S. s. Main st., from 6-inch line on Wenzel to 4-inch line on Brook										
S. s. Main st., from 4-inch line on Brook to 4-inch line on Thirteenth							6,273			
Branch, cistern, and fire hydrant connections to same										273
Connection from 20-inch main to 12-inch pipe line on Second							44			
Connection from 20-inch main to 12-inch pipe line on Fourth							43			
Connection from 20-inch main to 12-inch pipe line on Tenth							41			
Drain connection from 12-inch pipe line on Thirteenth							8			
S. s. Main st., from 4-inch line on Thirteenth to 6-inch line on Fourteenth										
S. s. Main st., from 6-inch line on Fourteenth to Twenty-sixth										6,000
S. s. Main st., from 4-inch line on Johnson to 326 feet east										326
S. s. Market st., west of Wenzel, cistern connection										
N. s. Market st., from 4-inch line on Johnson to 720 ft. east										756
N. s. Market st., from 4-inch line on Johnson to 4-inch line on Preston										
N. s. Market st., from 8-inch line on Brook to 4.2 feet west of the east line on Seventh st.									3,344	
Carried forward	474	49	12,786	51,506	29,345	37,057	6,418	42	6,162	22,079

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
46,417	1,379	173	187,940		2	2	20	21	32	1	2	35	98	155	28	7	40	2	1
			20										1						
			416										2						
			426										1						
			30										1						
			713										1						
			2,313										5				1		
42			42											1			1		
29			2,148										4	1			1		
			2,746										1						
5,351	58		5,465											19	4		6	7	1
264			264											1					
4,702	117		4,819											19	4		7		
			6,273							22									
1,170			1,443									1	4	36	1		11	26	
			44							1									
			43							1									
			41							1									
			8							1									
523	23		546											4	1		1	2	
64	150		6,214										26	2	6		8	2	
48			374										1	1			1		
	30		30												1		1		
			756										3				1		
4,305	64		4,369											13	3		5		
			3,344									10							
62,915	1,821	173	230,827		2	2	20	21	32	27	2	46	148	252	48	7	84	39	2

SCHEDULE No.

LOCATION OF LINES OF PIPE.	LENGTH OF LINES IN									
	48-inch.	42-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,418	42	6,162	22,079
Branch, cistern, and hydrant connections to same										8
S. s. Market st., from 4-inch line on Preston to 4-inch line on Eleventh										
S. s. Market st., from 4-inch line on Eleventh to within 31 feet of the east line of Twenty-sixth street									7,309	77
N. s. Market st., from 4-inch line on Sixteenth to 33 feet west of Twenty-second										
N. s. Congress st., from 6-inch line on Fourteenth to 134 ft. w.										
N. s. Jefferson st., from 6-inch line on Baxter ave. to 6-inch line on Twelfth							17			11,070
S. s. Jefferson st., from 6-inch line on Twelfth to 4-inch line on Sixteenth										1,924
N. s. Jefferson st., from 4-inch line on Sixteenth to 526 feet west of Twenty-fifth										4,925
N. s. Green st., from 6-inch line on Baxter ave. to 6-inch line on Wenzel street										
S. s. Green st., from 6-inch line on Wenzel to 4-inch line on Eleventh										
S. s. Green st., from 4-inch line on Eleventh to 4-inch line on Fifteenth										1,896
S. s. alley in rear U. S. Custom House, from 4-inch line on Third to 295 ft. westwardly										
S. s. alley between Judah's Hall and Water Co.'s office										
N. s. Lafayette st., from 4-inch line on Preston to 4-inch line on East										
S. s. Grayson st., from 6-inch line on Sixth to 4-inch line on Thirteenth										
S. s. Grayson st., from 54 feet east of 6-inch line on Fourteenth to 235 ft. west										
S. s. Grayson st. east of Eighteenth, cistern connection										
S. s. Grayson st., from 4-inch line on Eighteenth to 4-inch line on Twentieth										
S. s. Grayson st., from 4-inch line on Twenty-second to 617 feet west										630
S. s. Marshall st., from 4-inch line on Preston to 271 ft. east										
S. s. Walnut st., from 4-inch line on Garden to 4-inch line on Preston								3,801		
N. s. Walnut st., from 4-inch line on Preston to 4-inch line on Eleventh								6,480		
N. s. Walnut st., from 4-inch line on Eleventh to 8-inch line on Twenty-sixth									7,321	
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	20,792	42,609

VI. Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
62,915	1,821	173	230,827		2	2	20	21	32	27	2	46	148	252	48	7	84	39	2
120			128										1	9			3	5	
6,538	43		6,581											26	4		6	5	
11	61		7,458									28	4	1	2		7		
	3,002		3,002												5		1		
	134		134												1				
47	107		11,241										46	5	5		10	4	
13	62		1,999										8	1	2		2		1
	105		5,030										16		5		6		
813			813											3				1	
10,284	105		10,389											58	7		9	18	4
85			1,981										4	2			2		
295			295											1					
137		82	219											1				1	
1,352			1,352											4					
3,379			3,379											12					
289			289											2					
	27		27												1		1		
1,177	17		1,194											4	1		1		
			630										2				1		
271			271											1					
	15		3,816								15				1		1		
112	8		6,600								19			7			3	5	
	20		7,341									25			3		3		
87,838	5,527	255	304,996		2	2	20	21	32	27	36	99	229	389	85	7	140	78	7

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506		37,057	6,435	10,323	20,792	42,609
S. s. Madison st., from 4-inch line on Garden to 4-inch line on Preston										31
N. s. Madison, from 4-inch line on Preston to 4-inch line on East										
S. s. Madison, from 4-inch line on Eighth to 6-inch line on Tenth										
S. s. Madison street, west of Ninth, cistern connection										47
S. s. Madison st., from 16-inch line on Eleventh to 507 feet west of Twenty-second										5,831
S. s. Madison st, from line of 16-inch pipe on Eleventh st. to cross, 9 feet east										9
N. s. Guthrie st., from 6-inch line on Second to 4-inch line on Third										
S. s. Chestnut st., from 84 feet east of 4-inch line on Campbell to 4-inch line on Preston										
N. s. Chestnut st., from 16-inch line on Preston to 359 ft. west									359	
N. s. Chestnut st., from 359 ft. west of 16-inch line on Preston to 16-inch line on Eleventh										
N. s. Chestnut st., from 16-inch line on Eleventh to 326 ft. west of 8-inch line on Twenty-sixth street										7,575
S. s. Kellar st., from 6-in. line on Shelby to 531 feet east										
N. s. Gray st., from 6-in. line on Shelby to 6-inch line on Second										
S. s. Magazine st., from 4-inch line on Seventh to 219 feet west of Tenth										
S. s. Magazine st., from 16-in. line on Eleventh to 65 ft. e.										
S. s. Magazine st., from 16-in. line on Eleventh to 6-in. line on Fourteenth										1,481
S. s. Magazine st., from 6-inch line on Fourteenth to 247 ft. west										
S. s. Magazine st., from 324 ft. east of Sixteenth to 4-inch line on Seventeenth										77
S. s. Magazine st., from 6-inch line on Eighteenth st., to 209 feet east										209
S. s. Magazine st., from 6-inch line of Twenty-first to 51 ft. west										59
S. s. Magazine st, from 4-inch line on Twenty-second to 260 feet east										260
S. s. Elliott ave., from 8-inch line on Twenty-sixth st., to 33 feet west of west line on Twenty-eighth st										
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	21,151	58,188

VI.—Continued.

Feet.			Totals.		Stop Gates.												Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
87,838	5,527	255	304.996		2	2	20	21	32	27	36	99	229	389	85	7	140	78	7
3,533	48		3,612										1	14	2		3		
1,351	17		1,368											3	1		1		
946	34		980											4	2		1		
			47										1				1		
			5,831										23						
			9																
505			505											3			1		
3,121	41		3,162											12	4		5		
10			369									2		1					1
6,133	75		6,208											24	4		7		
13	40		7,628										29	1	5		7		1
541			541											2					1
4,501	43		4,544											16	3		4		
1,788	11		1,799											8	1		2		
65			65											1					
	11		1,492										7		1		2		
247			247											1					
742			819										1	2					
			209										1						
			59										2				1		
			260										1						
1,002			1,002											1					
112,336	5,847	25	345,752		2	2	20	21	32	27	36	101	295	482	108	7	175	87	10

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	21,151	58,188
N. s. Bridge st., from 8-inch line on Baxter avenue to 463 feet west										
S. s. Broadway, from 6-in. line on Baxter avenue to 390 feet west of 6-inch line on Fifteenth										14,849
S. s. Broadway from the line of 4-inch pipe on the east side Seventeenth to 270 feet east.										270
S. s. Broadway, from 4-in. line on Eighteenth to 328 ft. west										328
N. s. Hamilton avenue, from 8-inch line on Baxter avenue to Gregory street									2,502	56
Drain connections to same									11	
N. s. Hull st., from 6-inch line on Baxter avenue to 813 feet east of Cooper										
N. s. Ward st., from 6-in. line on Baxter ave. to 364 ft. east										
N. s. Rogers st., from 6-inch line on Baxter ave. to 4-inch line on Overhill										
N. s. Payne st., from 6-in. line on Baxter ave. to 530 ft. east										
S. s. Caroline st., from 6-inch line on Baxter avenue to 821 feet west										
S. s. Highland avenue, from 6-inch line on Baxter ave. to 24 feet east of the east line of Everett ave										52
S. s. York st., from 4-inch line on Third to 25 feet east										
S. s. York st., from 4-inch line on Fifth to 215 feet east										
S. s. York st., from 6-inch line on Sixth to 201 feet east										
S. s. York st., from 271 ft. east of the 4-inch line on Eighth to 6-inch line on Ninth										
S. s. Jacob st., from 6-in. line on Preston to 519 feet east of the 6-inch line on Hancock										
S. s. Jacob st., from 6-inch line on Preston to 6-in. line on 2d										
S. s. Laurel st., from 6-in. line on Preston to 440 feet east of Jackson										
S. s. Roselane st., from 6-inch line on Shelby to 106 ft. west										
S. s. College st., from 6-inch line on Preston to 6-inch line on Second										
S. s. Cawthon st., from 4-inch line on Eighth to 166 ft. east.										
S. s. Cawthon st., from 6-inch line on Ninth to 240 ft. east										
S. s. Maple st., from 6-inch line on Eleventh to 201 ft. west										
S. s. Maple st. from 6-inch line on Fifteenth, to 482 ft. west.										
S. s. Maple st., from 6-inch line on Eighteenth to 709 ft. east										
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	23,664	73,743

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
112,336	5,847	255	345,752		2	2	20	21	32	27	36	101	295	482	108	7	175	78	10
	463		463												2				
57	346		15,252										50	3	12		16	1	1
			270										1						
35			363										2	1			1		
			2,558									2	2				2		
			11									1							
1,430			1,430											2			1		
364			364											1					
571			571											3			1		
544	10		554											1	1		2		
821			821											2					
1,000			1,052											3					
25			25											1					
215			215											1					
	201		201												1				
	752		752												3				
1,716	47		1,763											6	2		2		1
2,153	31		2,184											8	3		3		
1,080			1,080											5			2		
106	17		123											1	1		1		
2,147	20		2,167											8	1		1		
166			166											1					
240	43		283											1	1		1		
201			201											1					
504			504											2			1		
730			730											2			1		
126,441	7,777	255	379,855		2	2	20	21	32	27	36	104	350	535	135	7	210	79	12

SCHEDULE No.

LOCATION OF LINES OF PIPE.	LENGTH OF LINES IN									
	48-inch.	42-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	23,664	73,743
S. s. Mason st., from 6-inch line on Logan to 449 ft. east										
S. s. Breckinridge from 560 feet west of 6-inch pipe on e. s. of Shelby st, to 242 ft. west of 6-inch cross on Clay										839
S. s. Breckinridge st., from 6-inch line on Jackson to 4-inch line on Brook										
S. s. Breckinridge st., from 4-inch line on Brook to 6-inch line on Sixth										2,910
S. s. Ward st., from 4-inch line on Fifth to 335 feet west										
S. s. Lexington st., west of Sixth, cistern connection										
S. s. Lexington st., from 6-inch line on Sixth st., to 237 ft. west										
S. s. Lexington st., from 4-inch line on Eighth to 6-inch line on Ninth										
S. s. Lexington st., from 16-in. line to 6-in. line on Eleventh										15
S. s. Lexington st., from 4-inch line on e. s. Twelfth, 120 ft. eastwardly										
S. s. Lexington st., from 6-inch line on Fourteenth to 6-inch line on Eighteenth										
S. s. Howard st., from 6-inch line on Eighteenth to 376 ft. west										
S. s. Hepburn st., from 6-inch line on w. s. Von Borries ave. 974 feet west										
S. s. Winter ave., from 6-inch line on Von Borries to 442 feet west										
S. s. Rufer's ave., from 6-inch line on Von Borries to 271 ft. west										
S. s. Lampton st., from 16-inch line to 6-inch line on Preston.										18
S. s. Lampton st., from 6-inch line on Preston 482 ft. east										
S. s. Lampton street from line of 6-in. pipe on e. s. Shelby street to 6-inch line east side Clay										587
S. s. Delaware st., from 6-inch line on Twelfth to 6-inch line on Fifteenth										
S. s. Southgate st., from 6-inch line on e. side of Fifteenth to 141 feet west										
S. s. Caldwell st., from 6-inch line on Clay to 12-inch connection on Preston									1,757	63
S. s. Caldwell st. from 12-inch connection on Preston to 6-inch cross on Brook										39
S. s. Caldwell st., 6-inch cross on Brook to 230 ft. west										230
S. s. Caldwell st., partly across First										23
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	25,421	78,467

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
126,441	7,777	255	379,855		2	2	20	21	32	27	36	104	350	535	135	7	210	79	12
14	435		449											1					
			839										4				1		
1,811	25		1,836											6	2		3		
	40		2,950										13		4		5		
37	298		335												1				
	37		37												1		1		
237			237											1					
483			483											2					
			15																
120			120											1					
2,381			2,381											7					
376			376											1					
974			974											1					
442			442											1					
271			271											1					
			18																
537			537											3			1		1
			587										2						
1,413			1,413											6					
147			147											1			1		
25			1,845									6	2	2			3		1
1,221	15		1,275											4	1		1		
			230										1						
			23																
136,930	8,627	255	397,675		2	2	20	21	32	27	36	110	372	573	144	7	226	79	14

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	25,421	78,467
S. s. Kentucky st., from 633 ft. e. of 6-inch line on Jackson to 6-inch line on Preston										1,212
S. s. Kentucky st., from line of 6-inch pipe on Floyd st. to 404 ft. east										404
S. s. Kentucky st., from 329 ft. e. of 6-inch line on First to 6-inch line on Second										
N. s. Kentucky st., at intersection of Second, connecting pipe										5
S. s. Kentucky st., from 6-in. line on Third to 151 ft. west										
S. s. Kentucky st., west of Fourth, cistern connection										
S. s. Kentucky st., from 4-inch line on Fifth to 301 ft. w. of 6-inch line on Seventh										
S. s. Kentucky st., from 6-inch line on Ninth to 245 ft. east										245
N. s. Kentucky st., from 97 ft. e. of e. line of Tenth to 43 ft. w. of w. line of Tenth										212
S. s. Kentucky st., from 37 feet east of 6-inch line on Eleventh to 4-inch line on Gaulbert										
S. s. Prentice st., from 4-inch line on Fifteenth to 39 ft. w.										
S. s. Prentice st., from 4-inch line on Gaulbert to 91 feet west										
S. s. Churchill st., from 6-inch line on Seventh to 68 feet west										
S. s. Gallagher st., west of Fifteenth, cistern connection										
N. s. Cane st. from 6-inch line on Shelby to 6-inch line on Logan										438
S. s. St. Catherine st., from 6-inch line on Preston to 6-inch line on Brook										1,259
S. s. St. Catherine st., from 6-inch line on Brook to 274 ft. w. of 6-inch line on Third										
S. s. St. Catherine st., from 8-inch line on Fourth to 206 ft. east										212
N. s. St. Joseph st., from 6-inch line on Brook to 407 ft. east										
N. s. Rupp st. from 6-inch line on Logan to 271 ft. east										271
S. s. Oak st., from 6-inch line on Preston to 326 ft. west of the 6-inch line on east side Brook										1,532
S. s. Oak st. from 6-inch line on Second to 122 ft. east										122
S. s. Oak st., from 6-inch line on Third 378 ft. eastwardly										378
S. s. Oak st., from 6-inch line on Third to 215 feet w. of 6-inch line on Sixth										
N. s. Oak st., east of Fourth, cistern connection										38
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	25,421	84,795

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
136,930	8,627	255	397,675		2	2	20	21	32	27	36	110	372	573	144	7	226	79	14
			1,212										3						
			404										1						
841			841											4					1
			5																
151	12		163											1	1				1
48			48											1			1		
1,420			1,420											7			2		
			245										1						
			212										1				1		
3,586	13		3,599											15	1		2		
53			53											2			1		
91			91											2			1		
80			80											2			1		
46			46											1			1		
			438										2						
12			1,271										7	1			3		1
1,723	12		1,735											8	1		2		
			212										2				1		
407			407											1					
			271										1						
			1,532										6				1		
			122										1						
			378										1						
1,753	3		1,756											10	1		2		1
			38										1				1		
147,141	8,667	255	414,254		2	2	20	21	32	27	36	110	399	628	148	7	246	79	18

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in 48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,435	10,323	25,421	84,795
S. s. Oak st., from 6-inch line on Seventh to 295 ft. west										
N. s. Dumesnil st., from line of 6-inch pipe on the east side of Seventh st. 647 ft. west										647
S. s. Ormsby ave., from 6-inch line on First to 69 ft. west of 6-inch line on Third										
S. s. Ormsby ave., from 8-inch line on Fourth to 6-inch line on Fifth										
N. s. Ormsby ave., from 6-inch line on Fifth to 6-inch line on Seventh										
S. s. Ormsby ave., from 6-inch line on Seventh to 181 feet west of Eighth										
S. s. Dandridge avenue, from line of 6-inch pipe on east slde of Shelby street to line of 6-inch pipe on Goss ave										260
S. s. Weissinger ave., from 30 feet e. of 6-inch line on Third to 86 feet w. of same										
S. s. Reservoir ave., near glue factory										
S. s. Woodbine st., from 6-inch line on Preston to 112 feet west of Floyd										
S. s. Magnolia ave., from 6-inch line on Third to 8-inch line on Fourth										495
N. s. Magnolia ave., from 6-inch line on Seventh to 405 feet west of Eleventh										
N. s. Hill st., from 6-inch line on Seventh to 569 feet east										
S. s. Lee st., from 6-inch line on Third to 75 feet west of Fourth										
S. s. B st., from 6-inch line on Second to 25 feet west of 6-inch line on Third										
S. s. C st., from 6-inch line on Third to 235 ft. west of Fourth										
S. s. Shipp ave., from 6-inch line on Third to 1,460 ft. east										
W. s. Brownsboro Road, s. of Story ave., cistern connect'n										
E. s. Reservoir ave., from 6-inch line on Brownsboro R'd to 216 feet north										2
E. s. Reservoir ave., from 6-inch connection with the 30-inch supply main between Frankfort ave. and Brownsboro Road to 10-inch connection with same at Short Line R. R. Crossing										2,748
Four 6-inch branch connections to same from 30-in. pipe										57
E. s. Reservoir ave., from 10-inch connection with 30-inch supply main at Short Line R. R. Crossing to 49 ft. east								49		
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,372	25,421	89,004

VI.—Continued.

Feet.			Totals.		Stop Gates.												Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
147,141	8,667	255	414,254	. . .	2	2	20	21	32	27	36	110	399	628	148	7	246	79	18
295	. . .	. .	295	. . .	.	.	.	.	.	.	.	.	.	1	. .	. .	. .	. .	. . .
. . . .	. . .	. .	647	. . .	.	.	.	.	.	.	.	.	1	. .	. .	. .	. .	. .	. . .
1,045	. . .	. .	1,045	. . .	.	.	.	.	.	.	.	.	.	6	. .	. .	1	. .	. . .
527	. . .	. .	527	. . .	.	.	.	.	.	.	.	.	.	3	. .	. .	1	. .	. . .
1,012	. . .	. .	1,012	. . .	.	.	.	.	.	.	.	.	.	3	. .	. .	. .	. .	. . .
611	. . .	. .	611	. . .	.	.	.	.	.	.	.	.	.	1	. .	. .	. .	. .	. . .
. . . .	. . .	. .	260	. . .	.	.	.	.	.	.	.	.	1	. .	. .	. .	. .	. .	. . .
142	. . .	. .	142	. . .	.	.	.	.	.	.	.	.	.	3	. .	. .	1	. .	. . .
160	. . .	36	196	. . .	.	.	.	.	.	.	.	.	.	.	. .	1	. .	. .	. . .
718	. . .	. .	718	. . .	.	.	.	.	.	.	.	.	.	1	. .	. .	. .	. .	. . .
. . . .	. . .	. .	495	. . .	.	.	.	.	.	.	.	.	2	. .	. .	. .	. .	. .	. . .
1,895	. . .	. .	1,895	. . .	.	.	.	.	.	.	.	.	.	2	. .	. .	. .	. .	. . .
569	. . .	. .	569	. .	.	.	.	.	.	.	.	.	.	1	. .	. .	. .	. .	. . .
611	. . .	. .	611	. . .	.	.	.	.	.	.	.	.	.	3	.	. .	. .	. .	. . .
526	. . .	. .	526	. . .	.	.	.	.	.	.	.	.	.	3	. .	. .	1	. .	. . .
781	. . .	. .	781	. . .	.	.	.	.	.	.	.	.	.	2	. .	. .	1	. .	. . .
1,473	28	. .	1,501	. .	.	.	.	.	.	.	.	.	.	3	2	. .	1	. .	2
30	. . .	. .	30	. . .	.	.	.	.	.	.	.	.	.	1	. .	. .	1	. .	. . .
214	. . .	. .	216	. . .	.	.	.	.	.	.	.	.	.	.	. .	. .	. .	.	. . .
103	. . .	. .	2,851	. . .	.	.	.	.	.	.	.	.	5	5	. .	. .	2	3	. . .
. . . .	. . .	. .	57	. . .	.	.	.	.	.	.	.	.	4	. .	. .	. .	. .	.	. . .
. . . .	. . .	. .	49	. . .	.	.	.	.	.	.	.	.	.	.	. .	. .	. .	.	. . .
157,853	8,695	291	429,288	. . .	2	2	20	21	32	27	36	110	412	666	150	8	255	82	20

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in 48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,435	10.372	25,421	89,004
E. s. Pope st., from 6-inch line on Frankfort ave. to 45 feet north	. .	. .	. .	. .	. .	. .	. .	. .	. .	45
E. s. Haldeman ave., from 6-inch line on Frankfort to 1236 feet north	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
In col'd blind asylum grounds, 1235 feet north of 6-inch line on Frankfort avenue . . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
E. s. Short st., from 6-inch line on Spring to 409 feet south .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
W. s. Payne st., from 6-inch line on Spring to 201 feet south of Hamilton ave.	. .	. .	. .	. .	. .	. .	. .	. .	. .	928
E. s. Quarry st., from 6-inch line on Spring to 6-inch line on Shelbyville branch pike . . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	94
W. s. Baxter ave., from 6-inch line on Jefferson to 4-inch line on Green	. .	. .	. .	. .	. .	. .	. .	. .	. .	776
E. s. Baxter ave., from 30-inch supply main on Garden to 6-inch line on Bridge	. .	. .	. .	. .	. .	. .	. .	93	589	33
W. s. Baxter ave., from 6-inch line on Bridge to 4-inch line on Highland ave	. .	. .	. .	. .	. .	. .	. .	. .	. .	3,446
E. s. Baxter ave., from 4-inch line on Highland to 87 ft. s. of Slaughter ave.	. .	. .	. .	. .	. .	. .	. .	. .	. .	1,967
W. s. Von Borries ave., from 4-inch line on Highland ave. to 93 feet south of 4-inch line on Rufer's ave.	. .	. .	. .	. .	. .	. .	. .	. .	. .	1,405
W. s. Brent st., from 6-inch line on Broadway to 1,031 feet south	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
W. s. Overhill st., from 4-inch line on Rogers to 202 feet north	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
W. s. Underhill st., from 6 inch line on Baxter ave. to O. K. pork house	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
W. s. Underhill st., from O. K. pork house to 6-inch line on Broadway	. .	. .	. .	. .	. .	. .	. .	. .	. .	1,241
W. s. E. Broadway, from 6-inch line on Baxter ave. to 552 ft. south of the south line of Transit ave.	. .	. .	. .	. .	. .	. .	. .	. .	. .	3,293
W. s. Ohio st., from 4-inch line on Story ave. to 382 feet north	. .	. .	. .	. .	. .	. .	. .	. .	. .	409
W. s. Ohio st., from 382 ft. n. of 4-inch line on Story ave. to 4-inch line on Maiden Lane	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
W. s. Adams st., from 20-inch line on Story ave. to 26 ft. n. of Van Buren	. .	. .	. .	. .	. .	. .	. .	. .	. .	2,734
W. s. Adams st., from 26 ft. n. of Van Buren to 4-inch line on Fulton	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
W. s. Webster st., from 4-inch line on Story ave., to 133 ft. n. of Calhoun	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
Carried forward	474	49	12,786	51,506	29,345	37,057	6,435	10,465	26,010	105,375

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
157,853	8,695	291	429,288	. . .	2	2	20	21	32	27	36	110	412	666	150	8	255	82	20
. . . .	. . .	. .	45	. . .	.	.	.	.	.	.	.	. .	1	. .	. .	. .	1	. .	.
1,236	. .	. .	1,236	. . .	.	.	.	.	.	.	.	. .	. .	1	. .	. .	. .	. .	. . .
153	. . .	. .	153	. . .	.	.	.	.	.	.	.	. .	. .	1	. .	. .	1	. .	. . .
409	10	. .	419	. . .	.	.	.	.	.	.	.	. .	. .	1	. .	. .	. .	. .	. . .
. . . .	. . .	. .	928	. . .	.	.	.	.	.	.	.	. .	3	. .	. .	. .	1	. .	. . .
. . . .	. . .	. .	94	. . .	.	.	.	.	.	.	.	. .	. .	. .	. .	. .	. .	. .	. . .
. . . .	. . .	. .	776	. . .	.	.	.	.	.	.	.	. .	2	1	. .	. .	1	. .	. . .
. . . .	. . .	. .	715	. . .	.	.	.	.	.	.	1	2	2	. .	. .	. .	1	. .	. . .
97	11	. .	3,554	. . .	.	.	.	.	.	.	.	. .	8	2	1	. .	3	. .	1
. . . .	. . .	.	1,967	. . .	.	.	.	.	.	.	.	. .	3	. .	. .	. .	1	. .	. . .
. . . .	. . .	. .	1,405	. . .	.	.	.	.	.	.	.	. .	2	. .	. .	. .	. .	. .	. . .
1,064	. . .	. .	1,064	. . .	.	.	.	.	.	.	.	. .	. .	2	. .	. .	1	. .	. . .
202	. . .	. .	202	. . .	.	.	.	.	.	.	.	. .	. .	. .	. .	. .	. .	. .	. . .
460	. . .	. .	460	. . .	.	.	.	.	.	.	.	. .	. .	1	. .	. .	. .	. .	. . .
40	. . .	. .	1,281	. . .	.	.	.	.	.	.	.	. .	1	1	. .	. .	1	. .	. . .
. . . .	. . .	. .	3,293	. . .	.	.	.	.	.	.	.	. .	4	. .	. .	. .	. .	. .	. . .
. .	. . .	. .	409	. . .	.	.	.	.	.	.	.	. .	2	. .	. .	. .	1	. .	. . .
38	. . .	. .	38	. . .	.	.	.	.	.	.	.	. .	. .	. .	. .	. .	. .	. .	. . .
. . . .	. . .	. .	2,734	. . .	.	.	.	.	.	.	.	. .	4	. .	. .	. .	1	. .	. . .
101	. . .	. .	101	. . .	.	.	.	.	.	.	.	. .	. .	. .	. .	. .	. .	. .	. .
826	. . .	. .	826	. . .	.	.	.	.	.	.	.	. .	. .	3	. .	. .	1	. .	. . .
162,479	8,716	291	450,988	. . .	2	2	20	21	32	27	37	112	444	679	151	8	269	82	21

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines on									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,345	37,057	6,435	10,465	26,010	105,375
E. s. Cabel st., from 20-inch line on Story ave. to 4-inch line on Fulton										2,902
W. s. Buchanan st., from 4-inch line on Story ave. to 276 ft. n. of Franklin										
E. s. Johnson st., from 4-inch line on Story ave. to 6-inch line on Market										
E. s. Garden street, from 4-inch line on Green to Chestnut										
W. s. Barret ave., from 6-inch line on Broadway to 434 feet south										
W. s. Wenzel st., from 4-inch line on Washington to 211 ft. north										211
W. s. Wenzel st., from 4-inch line on Main to 250 ft. south of 6-inch line on Jefferson										1,287
W. s. Wenzel, from 4-inch line on Green to 76 ft. n.										76
W. s. Wenzel st., from the 10-inch by 10-inch cross in the Walnut st. line diagonally across to the south-east corner 43 feet										54
E. s. Logan st., from 6-in. line on Broadway to 29 ft. s. of south line of Lampton										1,492
E. s Logan st., from 6-inch line on Cane to 72 ft. s. 6-inch line on Rupp st.										1,220
E. s. Campbell, from 85 ft. n. of 4-inch line on Geiger to 165 ft. s. of 4-inch line on Main										
E. s. Campbell st., from 108 ft. n. of 4-inch line on Market to 132 ft. s. of 6-inch line on Jefferson										
E. s. Campbell st., from 4-inch line on Green to 181 ft. s. of 10-inch line on Walnut										
20-inch drain from 30-inch supply main on Campbell and Broadway					19					
W. s. Campbell st., from 6-inch line on Broadway to 142 ft. s.										
W. s. Goss ave. from line of 6-inch pipe on Dandridge ave. to 788 ft. south										788
E. s. Shelby st., from 342 feet n. of 4-inch line on Franklin to 4-inch line on Washington										
E. s. Shelby st., from 4-in. line on Main to 30 feet south										30
E. s. Shelby st., from 4-inch line on Market to Knapp st.										8,567
W. s. Clay st., from 6-inch line on Fulton to 4-inch line on Franklin										1,360
E. s. Clay, from 4-inch line on Franklin to 4-inch line on Main										625
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	26,010	123,987

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
162,479	8,716	291	450,988		2	2	20	21	32	27	37	112	444	679	151	8	269	82	21
			2,902										5				1		
1,082			1,082											3			1		
752	12		764											2	1				
1,628	4		1,632											2	1		1	1	
434			434											1					
			211																
	11		1,298										4				1		
39			115											1			1		
			54										2				1		
	5		1,497										5		1		1		
			1,220										3				1		
1,306	10		1,316											4	1		1		
749	43		792											3	2		2		1
679	30		709											2	2		2		
			19					1											
148	34		182											1	1		1		
			788										1						
744			744											2			1		
			30										1						
	23		8,590										17		2		4		
	4		1,364										1		1		1		
			625										3						
170,040	8,892	291	477,356		2	2	20	22	32	27	37	112	486	700	163	8	289	83	22

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	26,010	123,987
E. s. Clay st., from 20-in. line on Main to 4-inch line on Chestnut										
E. s. Clay st., from 69 ft. n. of 6-inch line on Broadway to 73 ft. s. of same										116
E. s. Clay st, from 6-inch line on Lampton to 89 ft. north										89
E. s. Clay st., from 8-inch line on Caldwell to 352 ft. south										352
E. s. Hancock st., from 4-inch line on Washington to 305 feet north										
E. s. Hancock st., from 4-inch line on Main to 141 ft. south of the 4-inch line on Jacob										4,267
E. s. Jackson st., from 259 ft. north of the 4-inch line on Washington to 6-in. connection with 30-in. supply main on Broadway										
E. s. Jackson st., from 6-inch connection with 30-inch supply main on Broadway to 113 ft. south										113
E. s. Jackson st., from 4-inch line on Jacob to 87 ft. south										87
E. s. Jackson st., from 423 ft. n. of 4-in. line on Breckinridge to 131 ft. s. of same										554
E. s. Jackson st., from 131 feet north of the 6-inch line on Kentucky to 247 feet south										390
W. s. Preston st., from 4-inch line on Main to Fulton										1,196
E. s. Preston st., from 4-inch line on Fulton to 730 ft. south										
W. s. Preston st., from 4-inch line on Main to 22 feet south of 4-inch line on Chestnut										
W. s. Preston st., from 4-inch line on Gray to 6-inch line on Broadway										
W. s. Preston st., from 6-inch line on Broadway to 672 feet south of s. line of Knapp										7,642
E. s. Floyd st., from 4-inch line on Washington to 296 ft. n.										
E. s. Floyd st., from 4-inch line on Washington to 4-inch line on Madison										2,805
E. s. Floyd st., from 4-in. line on Chestnut to 32 ft. n. 6-in. line on Broadway										
E. s. Floyd st., from 22 ft. n. 6-inch line on Broadway to 356 ft. s. of 4-inch line on College										1,289
E. s. Floyd st., from 4-inch line on Breckinridge to 146 feet north										146
E. s. Floyd st., from 4-inch line on Caldwell st., to 272 feet south of 16-inch line on Kentucky										811
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	26,010	143,844

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
170,040	8,892	291	477,356		2	2	20	22	32	27	37	112	486	700	163	8	289	83	22
2,842	46		2,888											10	2		3		2
26	18		160										2		1		1		
			89																
			352										1						
305			305											1					
32	37		4,336										12	1	3		3		2
4,417	11		4,428											22	1		2	8	2
	25		138										1		1		1		
			87										1						
			554										1						
			390										2				1		
			1,196										4				1		
730			730											2					
2,895	55		2,950											10	2		2		1
473			473											2					
	18		7,660										12		1		2		
296			296											1					
24	90		2,919										10	1	2		3		2
944			944											2					
20			1,309										3	1			1		
	45		191												1		1		
			811										2						
183,044	9,237	291	510,562		2	2	20	22	32	27	37	112	537	753	177	8	310	91	31

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in 48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	26,010	143,844
E. s. Floyd st., from 6-inch line on St. Catherine to 593 ft. s. of 6-inch line on Oak										1,425
E. s. Brook st. from 365 ft. n. of 4-inch line on Washington to 12-inch line on Main . . .										
E. s. Brook st., from 12-inch line on Main to 8-inch line on Market									471	
E. s. Brook st., from 8-inch line on Market to 16-inch line on Jefferson										
E. s. Brook st., from 4-inch line on Chestnut to 73 ft. s. .										
E. s. Brook st., from 30 ft. n. of 4-inch line on Gray to 35 ft. s. of same										
E. s. Brook st., from 80 ft. n. of 6-inch line on Broadway to 4-inch line on Breckinridge .										
W. s. Brook st., from line of 4-in. pipe south side of Jacob st. to 35 feet south										
E. s. Brook st., from line of 16-inch pipe on the north side of Kentucky st. to 352 feet north										352
E. s. Brook st., from 141 ft. n. of 4-inch line on St. Catherine to 225 ft. s. of 6-in. line on Oak										1,210
E. s. East st., from 4-inch line on Green to 4-inch line on Chestnut										
E. s. First st., from 4-inch line on Water to 272 feet north .										
E. s. First st., from 12-inch line on Main to 4-inch line on Water										673
E. s. First st., from 12-inch line on Main to 4-in. line on Jacob.										
W. s. First st., from 4-inch line on Jacob to 6-inch line on Breckinridge										
W. s. First st., from 6-inch line on Breckinridge to 6-inch line on Caldwell										526
E. s. First st., from 6-inch line on Caldwell to 225 feet south of 4-inch line on Kentucky .										790
E. s. First st., from 4-in. line on St. Catherine to 1481 ft. s. of 4-in. line of pipe on Ormsby avenue										3,170
E. s. Snead st., from 4-inch line on Washington st. to 41 ft. n.										
E. s. Second st., from 12-in. line on Main to 6-in. line on Water										
E. s. Second st., from 12-inch line on Main to 880 feet south of 4-inch line on Ormsby ave.										9,626
E. s. Second st., from 4-inch line on B st. to 81 feet s. . .										81
E. s. Third st., from 4-inch line on Water to 156 ft. s. of 4-inch line on Green										
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	26,481	161,697

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
183,044	9,237	291	510,562		2	2	20	22	32	27	37	112	537	753	177	8	310	91	31
			1,425										1						
680			680											2			1		
	11		482									1			1				1
550			550											3					
73			73											1					
76			76											3			1		
1,718			1,718											3					
50														1			1		
			352																
			1,210										2						
1,525	20		1,545											6	1		2		1
272			272																
49			722										3	3				2	
4,459	97		4,556											16			4	4	1
1,108	5		1,113											2	1		1		
			526										1						
			790										2						
9			3,179										4				1		1
41			41											1			1		
760			760											4				1	
	29		9,655										17		2		5		
			81										1						
2,367	5		2,372											15	1		1	8	1
196,781	9,404	291	542,790		2	2	20	22	32	27	37	113	568	813	187	8	328	106	36

SCHEDULE No.

LOCATION OF LINES OF PIPE.	LENGTH OF LINES IN									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	26,481	161,697
E. s. Third st., from 10-inch line on Walnut to 6-inch line on Breckinridge										
E. s. Third st., from 10-inch line on Walnut to 633 ft n.									633	
E. s. Third st., from 6-inch line on Breckinridge to s. line of House of Refuge Grounds										11,097
W. s. Third st., from the 4-inch line on Weissinger ave. to 273 feet south										
W. s. Fourth st., from 12-inch line on Main to 4-inch line on Water										
E. s. Fourth st., from 12-inch line on Main to 250 ft. s. of 6x4 inch cross on Hill street									11,502	111
E. s. Fourth st., from the 4-inch line on Lee to 178 ft. north									178	
E. s. Bullitt st., from 12-inch line on Main to 4-inch line on Water										
E. s. Fifth st., from 746 ft. n. of 12-inch line on Main to 257 ft. s. of 4-inch line on Kentucky										
E. s. Fifth st. from 4-inch line on York to 11 ft. s., to connect with old line										
E. s. Fifth st., partly across Kentucky										
E. s. Fifth st., from 46 ft. north of 4-inch line on Oak to 492 feet north										
E. s. Fifth st., from 46 ft. n. of 4-inch line on Oak to 4-inch line on Ormsby ave										840
W. s. Center st., from 6-inch line on Jefferson to 4-inch line on Green										
E. s. Center st., from 4-in. line on Green to 6-in. line on Broadway										
W. s. Sixth st., from 12-inch line on Main to 581 ft. north										
E. s. Sixth st., from 12-inch line on Main to 2788 ft. s. of 4-inch line on Ormsby ave										11,556
E. s. Seventh st., from 262 ft. n. of 4-inch line on Nelson to 6 ft. n. of n. line of York st., thence across 16 ft. to w. side of Seventh st.										
W. s. of Seventh st. from 6 ft. n. of n. line of York st. to 248 ft. s. of 4x4-inch cross on York										
E. s. Seventh st., from 4-inch line on Kentucky to 4-inch line on Ormsby ave.										2,451
W. s. Seventh st., from 4-inch line on Ormsby ave. to 4-inch line on Hill										2,574
E. s. Eighth st., from 54 ft. n. of 3-inch line on Nelson to 4-inch line on Lexington										
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	38,794	190,329

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
196,781	9,404	291	542,790		2	2	20	22	32	27	37	113	568	873	187	8	328	106	36
3,430			3,430											13			2	4	2
39	19		691									2		2	1		1	2	
66	27		11,190										15	4	1		1	4	1
	273		273												1				
797	15		812											1	1		1		
167	54		11,834									16	2	6	2		6	8	
			178																
808	15		823											2	1		1		
7,564	76		7,640											21			3	2	2
11			11																
20			20																
492			492																
	25		865										1		1		1		
320			320											2					
2,620			2,620											7					1
656			656											2				2	
39	47		11,642										15	2	2		3		2
5,171	24		5,195											17	1		4		2
292	18		310											1	1		1		
			2,451										5						
			2,574										6				2		
5,937	31		5,968											30	3		5	10	
225,210	10,028	291	612,785		2	2	20	22	32	27	37	131	612	923	202	8	359	138	46

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	38,794	190,326
W. s. Ninth st., from 12-inch line on Main to 352 feet north										
E. s. Ninth st., from 12-inch line on Main to 10-inch line on Walnut										2,015
E. s. Ninth st., from 4-inch line on Madison to 4-inch line on Lexington										3,005
E. s. Ninth st., from 154 feet north of line of 16-inch pipe on n. s. of Kentucky st. to 113 feet south										274
E. s. Tenth st., from 4-inch line on Monroe to 4-inch line on Chestnut										3,268
E. s. Tenth st., from 282 ft. n. of 4-in. line on Magazine to 119 ft. s. of 6-in. line on Broadway										1,015
E. s. Chapel st., from 12-inch line on Main to 4-inch line on Market										
E. s. West st., from 4-in. line on Green to 4-in. line on Grayson										
E. s. West st., from 10-inch line on n. s. Walnut to 249 ft. n.										
E. s. Eleventh st., from 234 ft. n. of Monroe to 125 ft. s. of 6-inch line on Jefferson										
E. s. Eleventh st., from 136 ft. n. of 10-inch line on Walnut to 90 ft. n. of 6-inch line on Madison									29	
E. s. Eleventh st., from line of 6-inch pipe on Madison st. to 90 feet north										90
E. s. Eleventh st., from 4-inch line on Chestnut to 6-inch line on Madison										38
E. s. Eleventh st., from 6-inch line on n. side Chestnut to 6-inch line on Broadway										1,096
E. s. Eleventh st., from 4-inch line on Maple to 12 ft. north										12
E. s. Eleventh st., from 235 ft. n. of 6-inch line on Lexington to 204 ft. s. of same										439
E. s. Eleventh st., from 16-inch line on Kentucky to s. line of Oldham										1,319
W. s. Twelfth st. from 12-inch line on Main to 4-inch line on High										
E. s. Twelfth st., from 12-inch line on Main to 8-inch line on Walnut										1,993
E. s. Twelfth st., from 305 ft. n. of 6-inch line on Chestnut to 332 ft. s. of 6-inch line on Magazine										
E. s. Twelfth st., from 6-inch line on Broadway to 148 ft. n.										
E. s. Twelfth st., from 6-inch line on Broadway to 4-inch line on Kentucky										2,475
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	38,823	207,365

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
225,210	10,028	291	612,785	. . .	2	2	20	22	32	27	37	131	612	923	202	8	359	138	46
352	. . .	. .	352	. . .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	. . .
35	12	. .	2,062	. . .	.	.	.	.	.	.	.	.	6	2	1	. .	1	. .	2
48	19	. .	3,072	. . .	.	.	.	.	.	.	.	.	9	1	1	.	2	. .	. .
. . .	. . .	. .	274	. . .	.	.	.	.	.	.	.	.	2	. .	. .	. .	1	. .	. .
88	34	. .	3,390	. . .	.	.	.	.	.	.	.	.	7	3	2	. .	3	. .	2
. . .	10	. .	1,025	. . .	.	.	.	.	.	.	.	.	2	. .	1	. .	1	. .	. . .
28	494	. .	522	. . .	.	.	.	.	.	.	.	.	. .	1	1	. .	. .	. .	. . .
204	20	. .	224	. . .	.	.	.	.	.	.	.	.	. .	1	1	. .	1	. .	. . .
249	. . .	. .	249	. . .	.	.	.	.	.	.	.	.	. .	1	. .	. .	. .	. .	. . .
1,993	. . .	. .	1,993	. . .	.	.	.	.	.	.	.	.	. .	9	. .	. .	. .	3	1
436	5	. .	470	. .	.	.	.	.	.	.	.	.	. .	1	1	. .	1	. .	. . .
. . . .	. . .	. .	90	. . .	.	.	.	.	.	.	.	.	. .	. .	. .	. .	. .	. .	. . .
342	10	. .	390	. . .	.	.	.	.	.	.	.	.	. .	1	1	. .	1	. .	. . .
. . . .	. . .	. .	1,096	. . .	.	.	.	.	.	.	.	.	2	. .	. .	. .	. .	. .	. . .
23	. . .	. .	35	. . .	.	.	.	.	.	.	.	.	. .	1	. .	. .	1	. .	. . .
29	. . .	. .	468	. . .	.	.	.	.	.	.	.	.	. .	1	. .	. .	1	. .	. . .
. . . .	. . .	. .	1,319	. . .	.	.	.	.	.	.	.	.	4	. .	. .	. .	. .	. .	. . .
858	. . .	. .	858	. . .	.	.	.	.	.	.	.	.	. .	3	. .	. .	. .	. .	1
. . . .	. . .	. .	1,993	. . .	.	.	.	.	.	.	.	.	5	. .	. .	. .	. .	. .	. . .
1,139	. . .	. .	1,139	. . .	.	.	.	.	.	.	.	.	. .	3	. .	. .	. .	. .	. . .
148	. . .	. .	148	. . .	.	.	.	.	.	.	.	.	. .	. .	. .	. .	. .	. .	. . .
. . . .	57	. .	2,532	. . .	.	.	.	.	.	.	.	.	5	. .	2	. .	3	. .	. . .
231,182	10,689	291	636,486	. . .	2	2	20	22	32	27	37	131	654	951	213	8	375	141	52

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	38,823	207,365
W. s. Thirteenth st., from 12-inch line on Main to 4-inch line on Portland ave.										
E. s. Thirteenth st., from 12-inch line on Main 31 feet south										
E. s. Thirteenth st., from 8-inch line on Market to 209 ft. s. of 8-inch line on Walnut										5
E. s. Thirteenth st., from 95 feet n. of 6-inch line on Madison to 6-inch line on Broadway										
E. s. Thirteenth st., from 6-inch line on Broadway to 490 ft. s. of 4-inch line on Maple										1,229
E. s. Fourteenth st., from 4-inch line on Portland ave., to 77 ft. south										
E. s. Fourteenth st., from 4-inch line on Rowan to 139 feet south										139
E. s. Fourteenth st., from 20-inch line on Main to 6-inch line on Jefferson										1,072
E. s. Fourteenth st., from 4-inch line on Grayson to 8-inch line on Walnut									42	
E. s. Fourteenth st., from 6-inch line on Madison to 217 ft. s. of 6-inch line on Magazine										
E. s. Fourteenth st., from 6-inch line on s. side Broadway to 604 feet south										604
E. s. Fourteenth st., 165 feet north of 6-inch line on Maple to 78 ft. s. of 4-inch line on Lexington										1,010
E. s. Fifteenth st., from 20-inch line to 6-inch line on Main										38
E. s. Fifteenth st., from 4-inch line on Portland ave. to 4-inch line on Duncan										
W. s. Fifteenth st., from 4-inch line on Rowan to 219 feet north										
E. s. Fifteenth st., from 239 ft. n. of 8-inch line on Market to 6-inch line on Green										
E. s. Fifteenth st., from 435 ft. n. of 8-inch line on Walnut to 311 feet south										
E. s. Fifteenth st., from 6-inch line on Madison to 120 ft. n.										
E. s. Fifteenth st., from 6-inch line on Broadway to 4-inch line on Southgate										2,144
E. s. Fifteenth st., from 4-inch line on Kentucky to s. line of Oldham										
E. s. Sixteenth st., from 4-inch line on Bank to 201 ft. s. of 4-inch line on Rowan										
E. s. Sixteenth st., from 6-inch line on s. side Main to 46 ft. south										
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	38,865	213,606

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
231,182	10,689	291	636,486		2	2	20	22	32	27	37	131	654	951	213	8	375	141	52
656			656											1					
31			31											1					
1,684	39		1,728											5	3		3		
1,670	40		1,710											4	1		2		1
	16		1,245										2		1		1		
77	10		87											1	1		1		
			139										1						
			1,072												1		1		
450	10		502											1	1		1		
1,089			1,089											3					
			604										1						
			1,010										2						
			38																
321	4		325											1	1		1		
219			219											1					
1,023	4		1,027											2	1		1		
746			746											1					
120			120																
			2,144										4						
1,333			1,333											1					
488			488											2					
75			75											2			1		
241,164	10,812	291	652,874		2	2	20	22	32	27	37	131	666	977	223	8	387	141	53

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch . .	43-inch . .	36-inch . .	30-inch . .	20-inch . .	16-inch . .	12-inch . .	10-inch . .	8-inch . .	6-inch . .
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	38,865	213,606
E. s. Sixteenth st., from 45 ft. n. of line of 3-inch pipe on Market street to 6-inch line on Jefferson	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Sixteenth st., from 343 ft. n. of 8-inch line on Walnut to 190 ft. s. of same	. .	. .	. .	. .	. .	. .	. .	. .	43	. . . .
W. s. Sixteenth st., from line of 6-inch pipe on Madison street to 38 feet south . . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	50
E. s. Sixteenth st., from line of 4-inch pipe on Lexington street to 530 feet north . . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	541
E. s. Seventeenth st., from 4-inch line on High to 215 feet north	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
W. s. Seventeenth st., from 6-in. line on High to 244 ft. n.	. .	. .	. .	. .	. .	. .	. .	. .	. .	244
E. s. Seventeenth st., from 6-inch line on High to 16-inch line on Portland ave.	. .	. .	. .	. .	. .	. .	. .	. .	507	. . . .
E. s. Seventeenth st., from 4-inch line on Bank to 49 ft. s. of 6-inch line on Main . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Seventeenth st., from 8-inch line on Market to 340 ft. north	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . .
E. s. Seventeenth st., from 8-inch line on Walnut to 454 ft. north	. .	. .	. .	. .	. .	. .	. .	. .	40	. . .
E. s. Seventeenth st., from 6-inch line on Chestnut to line of 6-inch pipe on s. s. Broadway	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Gaulbert st., from 4-inch line on Kentucky to 103 ft. s. of 4-inch line on Prentice . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Eighteenth st., from 4-in. line on High to 4-inch line on Portland ave.	. .	. .	. .	. .	. .	. .	. .	. .	. .	582
Center of Eighteenth st., on n. s of Portland ave., cistern connection	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Eighteenth st., from 4-in. line on Duncan to 6-inch line on Main	. .	. .	. .	. .	. .	. .	. .	. .	. .	994
E. s. Eighteenth st., from 310 ft. n. of 8-in. line on Market to 6-inch line on Broadway .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Eighteenth st., from 6-in. line on Broadway to 4-in. line on Lexington	. .	. .	. .	. .	. .	. .	. .	. .	. .	1,799
E. s. Nineteenth st., from 4-in. line on Griffith to 6-inch line on Main	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Nineteenth st., from 8-in. line on Walnut to 43 ft. n. . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Nineteenth st., from 6-in. line on Madison to 6-in. line on Chestnut	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E. s. Twentieth st., from line of 6-inch pipe on Jefferson street to 263 feet south . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
E s. Twentieth st., from 4-inch line on Grayson to 300 ft. s. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. . . .
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	39,455	217,816

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	2-inch	Cisterns	Hydrants.	
241,164	10,812	291	652,874		2	2	20	22	32	27	37	131	666	977	223	8	387	141	53
605			605											3			1		1
490	10		543											1	1		1		
			50										1				1		
			541										1				1		
	215		215												1				
			244										1						
			507									1							
1,214			1,214											5					1
340			340																
414	15		469												1		1		
997			997											1					
465			465											2					
			582										3				1		
	10		10												1		1		
			994										2						
3,560	23		3,583											8	2		1		1
			1,799										4				1		
1,470	15		1,485											3	1		1		
58			58											2			1		
383	39		422											1	2		2		
263			263											1					
300			300											1					
251,723	11,139	291	668,560		2	2	20	22	32	27	37	132	678	1005	232	8	400	141	56

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	39,455	217,816
E. s. Twentieth st., from 72 ft. north of the 8-inch line on Walnut to 106 ft. s.										
E. s. Twentieth st., 452 ft. so'th of 6-inch line on Chestnut to 34 feet north										
E. s. Twenty-first st., from 4-inch line on Portland ave. to 4-inch line on Bank										740
E. s. Twenty-first st., from 6-inch line on Main to 6-inch line on Rowan										
E. s. Twenty-first st., from 249 ft. n. of 8-inch pipe on Market st. to 371 feet south										
E. s. Twenty-first st., from 8-inch line on Walnut to 585 ft. north										
E. s. Twenty-first st., from the 6-inch line on Madison to 154 feet south										
E. S. Twenty-first st., from 36 feet north of 6-inch line on Chestnut to 6-inch line on Magazine										500
E. s. Twenty-second st., from 4-inch line on s. side Portland ave. to 56 feet north										
E. s. Twenty-second st., from 6-inch line on Main to 3-inch line on Market										
E. s. Twenty-second st., from 6-inch line on Jefferson to 6-inch line on Grayson										
E. s. Twenty-second st., from 107 ft. n. 8-inch line on Walnut to 138 feet south										
E. s. Twenty-second st., from 6-inch line on Madison to 31 feet south										
E. s. Twenty-second st., from 6-inch line on Chestnut to 6-inch line on Magazine										
E. s. Twenty-third st., from 6-in. line on Main 187 ft. south.										
E. s. Sayre st., across Market.									89	
E. s. Twenty-fourth st., from 4-inch line on Portland ave. to 75 feet north										
E. s. Twenty-fourth st., from 6-in. line on Main to 91 ft. n.										
E. s. Mercer st., from line of 8-inch pipe on Walnut st. to 49 feet north										
E. s. Twenty-fifth st., from 4-inch line on Portland ave. to 6-inch line on Montgomery										
E. s. Twenty-fifth st., from 6-inch line on Main to 261 feet north of 6 x 4-inch cross on Rowan										
W. s. Twenty-sixth st., from 4-inch line on Portland ave. to 958 feet south of 4-inch line on Bank										1,626
Carried forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	39,544	220,682

VI.—Contiuued.

Feet.			Totals.		Stop Gates.												Fire Service		Street Sprinkling Hydrants.
4-inch	3-inch	2-inch	Feet	Miles	48-inch	36-inch	30-inch	20-inch	16-inch	12-inch	10-inch	8-inch	6-inch	4-inch	3-inch	2-inch	Cisterns	Hydrants.	
251,723	11,139	291	668,560		2	2	20	22	32	27	37	132	678	1005	232	8	400	141	56
178			178											1					
486			486											1					
27			767										2	1			2		
506			506											1					
620			620											1					
624			624											3			1		
154			154																
36	3		539											1	1		1		
56			56											1					
476			476											1					
845			845											2					
275			275											2			1		
65			65											1			1		
508			508											1					
187			187											1					
			89																
75	19		94											1	1		1		
91	12		103												1		1		
63			63											1			1		
491			491											1					
763			763											1					
	23		1,649										2		1		1		
258,249	11,196	291	678,098		2	2	20	22	32	27	37	132	682	1027	236	8	410	141	56

SCHEDULE No.

LOCATION OF LINES OF PIPE.	Length of Lines in									
	48-inch.	43-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.
Brought forward	474	49	12,786	51,506	29,364	37,057	6,435	10,465	39,544	220,682
E. s. Twenty-sixth st., from 6-inch line on south side Main to 390 feet north										390
W. s. Twenty-sixth st., from 8-inch line on Walnut to 29 feet s. of s. line of Maple									2,778	
E. s. Twenty-seventh st., from 4-inch line on Portland ave. to 282 ft. north of 6-inch line on Montgomery									773	
W. s. Twenty-ninth st., from 4-inch line on Portland ave. to 218 feet north										
E. s. Thirtieth st., from 4-inch line on Portland ave. to 6-inch line on Montgomery										
W. s. Thirty-first st., from 4-inch line on Portland ave. to 61 feet north										61
W. s. Thirty-third st., from 16-inch line on High to 4-inch line on Rudd ave.									529	
E. s. Thirty-fourth st., from 16-inch line on High to 61 feet n. of 4-inch line on Water									1,606	
E. s. Thirty-fifth st., from 4-in. line on Water to 387 ft. south.										
E. s. Thirty-fifth st., from 4-inch line on Rudd ave. to 8-inch line on High									36	576
E. s. Thirty sixth st., from 4-inch line on Water to 328 ft. s.										
In L., C. & L. R. R. Co's gro'nds, from stone arch over Bear-grass creek westwardly										477
In Lou., Cin. & Lex. R. R. Co.'s grounds to distillery								4		
TOTAL	474	49	12,786	51,506	29,364	37,057	6,435	10,469	45,266	222,186

VI.—Continued.

Feet.			Totals.		Stop Gates.											Fire Service		Street Sprinkling Hydrants.
4-inch.	3-inch.	2-inch.	Feet.	Miles.	48-inch.	36-inch.	30-inch.	20-inch.	16-inch.	12-inch.	10-inch.	8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	Cisterns.	Hydrants.	
258,249	11,196	291	678,098		2	2	20	22	32	27	37	132	682	1027	236	8	410	141	56
			390																
10			2,788									5		1				1	
	9		782									1			1		1		
218	12		230											1	1		1		
491	14		505											2	1		1		
	12		73										1		1		1		
	15		544									2			1		1		
42	65		1,713									4		2	3		3	2	
387	20		407												1		1		
15	40		667										2	1	1		1	1	
328			328											1					
			477										1						
	940		944								1				1				
259,740	12,323	291	687,946	130.29	2	2	20	22	32	27	38	144	686	1035	247	8	420	145	56

EXPENDITURES ON PIPE SYSTEM.

Two 30-inch sleeves, 1,089 lbs., @ 3 cents		$32 67
One 20-inch by 20-inch by 12-inch tee, 1,361 lbs., @ 3 cents . . .		40 83
One 16-inch by 16-inch by 8-inch tee, 1,055 lbs., @ 3 c.	$31 65	
Three 16-inch sleeves, 908 lbs., @ 3 cents	27 24	
One 16-inch spigot, 83 lbs., @ 3 cents	2 49	
		61 38
One 12-inch by 12-inch by 8-inch by 6-inch cross, 666 lbs., @ 3 cents	19 98	
One 12-inch by 12-inch by 10-inch tee, 490 lbs., @ 3 cts.	14 70	
One 12-inch by 12-inch by 6-inch tee, 486 lbs., @ 3 cts.	14 58	
Ten 12-inch by 12-inch by 4-inch tee, 3,197 lbs, @ 3 cts.	95 91	
Three 12-inch elbows, 957 lbs., @ 3 cents	28 71	
One 12-inch to 10-inch reducer, 489 lbs., @ 3 cents . .	14 67	
One 12-inch spigot, 49 lbs., @ 3 cents	1 47	
Twenty 12-inch sleeves, 2,251 lbs., @ 3 cents	67 53	
		257 55
Two 10-inch to 6-inch reducers, 454 lbs., @ 3 cents		13 62
Eighty-five 8-inch pipe, 44,276 lbs., @ 1.55 cents . . .	686 81	
Four 8-inch by 8-inch by 6-inch by 6-inch crosses, 1,201 lbs., @ 3 cents	36 03	
Ten 8-inch by 8-inch by 12-inch tees, 3,165 lbs., @ 3 cts.	94 95	
Two 8-inch by 8-inch by 8-inch tees, 459 lbs., @ 3 cts.	13 77	
Five 8-inch by 8-inch by 4-inch tees, 1,084 lbs., @ 3 cts.	32 52	
One 8-inch elbow, 138 lbs., @ 3 cents	4 14	
Two 8-inch to 6-inch reducers, 276 lbs., @ 3 cents. . .	8 28	
Three 8-inch sleeves, 190 lbs., @ 3 cents	5 61	
Two 8-inch spigots, 34 lbs., @ 3 cents	1 02	
		883 13
Two hundred and seventy 6-inch pipe, 106,568 lbs., @ 1.55 cents	1,651 80	
Six 6-inch by 6-inch by 6-inch tees, 1,136 lbs., @ 3 cts.	34 08	
Eight 6-inch curves, 1,535 lbs., @ 3 cents	46 05	
Three 6-inch elbows, 290 lbs., @ 3 cents	8 70	
Eight 6-inch to 4-inch reducers, 801 lbs., @ 3 cents . .	24 03	
Eleven 6-inch sleeves, 617 lbs., @ 3 cents	18 51	
Twenty-seven 6-inch spigots, 398 lbs., @ 3 cents . . .	11 94	
		1,795 11
Four 4-inch by 4-inch by 4-inch tees, 395 lbs., @ 3 cts.	11 85	
One 4-inch by 4-inch by 4-inch Y, 111 lbs., @ 3 cents .	3 33	
Four 4-inch curves, 426 lbs., @ 3 cents	12 78	
Seven 4-inch ⅛ bends, 498 lbs., @ 3 cents	14 94	
Three 4-inch elbows, 171 lbs., @ 3 cents	5 13	
Carried forward	$48 03	$3,084 29

Brought forward	$48 03	$3,084 29
Twenty-four 4-inch sleeves, 1,060 lbs., @ 3 cents	31 80	
Twenty-two 4-inch spigots, 120 lbs., @ 3 cents	3 60	
		83 43
Seven 3-inch sleeves, 181 lbs., @ 3 cents		5 43
STOP GATES—		
Two 12-inch stop gates	105 00	
Freight	6 55	
One 12-inch stop gate	49 00	
One 10-inch stop gate	39 20	
Forty 6-inch stop gates	780 00	
Freight	30 91	
Ten 4-inch stop gates	120 00	
Freight	4 20	
One 4-inch stop gate	11 20	
One 3-inch stop gate	9 10	
Twenty-five 6-inch Phosphor-Bronze B cast screw stems Eighteen 4-inch Phosphor-Bronze B cast screw stems Twelve 3-inch Phosphor-Bronze B cast screw stems	88 23	
Freight	1 93	
		1,245 32
KEY TUBES—		
Two No. 1 round tops, 268 lbs., @ 3 cents	8 04	
Forty-six No. 2 round tops and lids, 3,331 lbs., @ 3 cents	99 93	
Nine No. 2 lids, 113 lbs., @ 3 cents	3 39	
Twelve No. 1 tubes, 707 lbs., @ 3 cents	21 21	
Forty No. 2 tubes, 2,035 lbs., @ 3 cents	61 05	
Twenty-four cast cistern stems, 515 lbs., @ 3 cents	15 45	
		209 07
LEAD—		
Forty-six pigs lead, 3,707 lbs., @ 5½ cents	203 89	
Forty pigs lead, 3,227 lbs., @ 5 cents	161 35	
Sixty pigs lead, 5,182 lbs., @ 4.9 cents	253 92	
Ten pigs lead, 848 lbs., @ 4¾ cents	40 28	
Lead in joints	1 50	
		660 94
COAL, ETC.—		
115 pounds hemp packing, @ 11 cents	12 65	
Fifty-eight pounds hemp packing, @ 10 cents	5 80	
Eighty-five pounds hemp packing, @ 8 cents	6 80	
109 pounds hemp packing, @ 7½ cents	8 17	
365 pounds hemp packing, @ 7 cents	25 55	
125 bushels coal	12 50	
		71 47
Carried forward		$5,359 95

Brought forward		$5,359 95
TOOLS—		
Eighteen picks	$8 45	
Eighteen pick handles	2 45	
Twenty chisels	6 40	
Nine caulking tools	3 35	
Five diamond points	3 10	
One caulking hammer	1 25	
One monkey wrench	70	
One hand ax	1 35	
One ax and handle	75	
Four water buckets	40	
Dressing tools	83 53	
		111 73
HAULING—		
Feed for horses	252 14	
Shoeing horses	45 25	
Repairs on wagons	65 96	
Repairs on harness	38 32	
Cart, saddle, and hair pad	8 25	
Collar	2 25	
Horse blanket	2 75	
Veterinary surgeon	3 00	
Medicine	25	
Salt	55	
Six boxes axle grease	50	
		419 22
GATE VAULT—		
Labor on 16-inch drain vault, Seventeenth and Portland avenue	44 39	
Six feet 18-inch earthenware sewer pipe	3 60	
Twelve thousand brick	7 20	
Two and a quarter barrels cement	2 40	
One manhole curb and cover, 462 lbs., @ 2¼ cts	10 40	
One load gravel	90	
		68 89
FLUSHING CONNECTION—		
Labor putting in one connection, Preston and Broadway	29 75	
Three hundred and seventy brick	2 22	
One barrel cement	1 10	
One manhole curb and cover, 462 lbs., @ 2¼ cts	10 40	
Repair screen	1 60	
		45 07
INSPECTING AND LAYING PIPES—		
Laying distribution in city	4,607 32	
Six-inch stop-gate, put in for Kentucky and Indiana Bridge Co	7 70	
Carried forward	$4,615 02	$6,004 86

Brought forward	$4,615 02	$6,004 86
Scrimsher $242.40, Connell $144.99	387 39	
Labor in pipe-yard and store-house on stock, etc	91 64	
		5,094 05
SUNDRIES—		
Rent of pipe-yard	350 00	
Michael Haney for injuries sustained in pipe-trench at Portland ave. and Seventeenth street	13 50	
Damage to harness and carriage pole by horse stepping into key-box, Eleventh and Market streets	15 00	
One barrel leather shavings	1 00	
Two loads gravel	1 80	
Two No. 3 signal lamps	2 50	
Two gallons lard oil	1 20	
Three and a half gallons coal oil	75	
Two ½-gallon coal oil cans	30	
One ½-gallon spout can	20	
Six pounds nails	25	
Weighing four loads scrap iron	60	
Draughtsman	100 00	
Labor taking down and boxing testing machine	8 20	
		495 30
		11,594 21
Less material to repairs	117 57	
Less material to service pipe	520 26	
		637 83
		$10,956 38

REPAIRS ON MAIN AND DISTRIBUTING PIPE.

Labor putting on bands 30-inch break at Crescent Hill Reservoir	$77 35		
Forging two 35½-inch draw bands and 4 links 1 by 2½-inch by 8-inch	29 60		
Iron for two bands, 388 lbs., @ 3¼ cents	12 61		
Iron for four links, 56 lbs., @ 3 cents	1 82		
Four pieces 1¼-inch square, by 4¾-inch, 7 lbs., @ 3¼ cents	23		
Four pieces ¾-inch by 1¼-inch by 4¾-inch 6 lbs., @ 3¼ cents	20		
Labor repairing break in 20-inch pipe at Fifth and Broadway	22 80		
One 20-inch flange sleeve Eight bolts	57 21		
Lead, 125 lbs., @ 5 cents	6 25		
Coal, 35 lbs., @ .2 cents	07		
Carried forward	$208 14		$10,956 38

Brought forward	$208 14	. . . . .	$10,956 38
Labor repairing break in 4-inch pipe Market street, bet. Sixth and Seventh . . .	24 21		
Four-inch pipe 5 ft. 115 lbs., 1.55 cents .	1 78		
Four-inch sleeve, 44 lbs., @ 3 cents . . .	1 32		
Lead, 22 lbs., @ 5 cents	1 10		
Packing, ¼ lb., @ 8 cents	02		
Coal, 15 lbs., @ .2 cents	03		
Labor repairing break in 4-inch pipe Seventh street and Congress alley	10 20		
3½ feet 4-inch pipe, 84 lbs., @ 1.55 cents	1 30		
Four-inch sleeve, 45 lbs., @ 3 cents . . .	1 35		
Lead, 20 lbs., @ 5 cents	1 00		
Labor repairing break in 4-inch pipe Fifth street bet. Market and Jefferson . . .	9 00		
Four ft. 4-inch pipe, 100 lbs., @ 1.55 cents	1 55		
Four-inch sleeve, 44 lbs., @ 3 cents . . .	1 32		
Lead, 20 lbs., @ 5 cents	1 00		
Labor repairing break in 4-inch pipe Sixth street bet. Main and Water . . .	6 47		
Four feet 4-inch pipe, 95 lbs., @ 1.55 cents	1 47		
Four-inch sleeve, 44 lbs., @ 3 cents . . .	1 32		
Lead, 15 lbs., @ 5 cents	75		
Labor repairing break in 4-inch pipe Seventh street, bet. Nelson and Water	1 80		
3½ feet 4-inch pipe, 84 lbs., @ 1.55 cents	1 30		
Four-inch sleeve, 42 lbs., @ 3 cents . . .	1 26		
Lead, 20 lbs., @ 5 cents	1 00		
Labor renewing wooden plug in 4 x 4 x 4 inch tee Third street, Broadway and York, opposite first alley south	8 70		
Four-inch spigot, 6 lbs., @ 3 cents . . .	18		
Lead, 5 lbs., @ 5 cents	25		
Cement	55		
Sand	40		
3⅘ cubic yards Asphalt pavement	6 89		
Labor repairing 1 leak in 36-inch pipe .	11 75		
Labor repairing 2 leaks in 30-inch supply main	14 00		
Labor repairing 2 leaks in 30-inch pump main	23 22		
Labor repairing 1 leak in 20-inch pipe . .	11 00		
Labor repairing 2 leaks in 8-inch pipe . .	9 95		
⅝-inch plug	17		
Labor repairing 9 leaks in 6-inch pipe . .	35 70		
Labor repairing 11 leaks in 4-inch pipe .	35 16		
		436 61	
Carried forward		$436 61	$10,956 38

Brought forward		$436 61	$10,956 38
TAKING UP AND DISCONTINUING PIPE—			
Labor taking up 4-inch pipe on Eighth street, between Nelson and Water, and Water street, from Eighth street west	55 73		
Four-inch socket, 17 lbs., @ 3 cents .	51		
Lead, 6 lbs., @ 5 cents	30		
Credit—			
Fourteen 4-inch pipe, 166.7 ft., 3,501 lbs., @ 1.55 cents	—54 27		
Pieces 4-inch pipe scrap, 80.0 ft., 1,680 lbs., @.6 cents	—10 08		
4 x 4 x 4 inch tee scrap, 2.0 ft., 222 lbs., @.6 cents	—1 33		
4 x 4 x 3 tee scrap, 2.0 ft., 209 lbs., @ .6 cents	—1 25		
No. 1 round top and lid, 169 lbs., @ 2 cents	—3 38		
No. 2 tube, 50 lbs., @ 2 cents . . .	—1 00		
Labor flushing 4-inch pipe	14 16		
Four-inch spigot, 7 lbs., @ 3 cents .	21		
Lead, 7 lbs., @ 5 cents	35		
		—0 05	
STOP GATES—			
Labor repairing break in 6-inch gate Tenth and Market streets	26 32		
Six-inch socket gate	20 25		
Eight feet 6-inch pipe, 289 lbs., @ 1.55 cents	4 48		
Six-inch sleeve, 58 lbs., @ 3 cents .	1 74		
Lead, 40 lbs., @ 5 cents	2 00		
Packing, ½ lb., @ 8 cents	04		
Coal, 30 lbs., @ .2 cents	06		
Labor renewing 4-inch gate south-east corner Main and Floyd streets . .	8 45		
Four-inch socket gate	12 50		
Six feet 4-inch pipe, 134 lbs., @ 1.55 cents	2 08		
Four-inch sleeve, 45 lbs., @ 3 cents .	1 35		
Lead, 28 lbs., @ 5 cents	1 40		
Packing, ¼ lb., @.8 cents	02		
Coal, 25 lbs., @ .2 cents	05		
½ load gravel	50		
Labor renewing 4-inch gate south-west Cor. Main and Floyd streets . . .	8 45		
Four-inch spigot gate	12 50		
Carried forward	$102 19	$436 56	$10,956 38

Brought forward	$102 19	$436 56	$10,956 38
1.7 feet 4-inch pipe, 60 lbs. . @ 1.55 cents	93		
Four-inch sleeve, 41 lbs., @ 3 cents .	1 23		
Lead, 28 lbs., @ 5 cents	1 40		
Packing, ¼ lb., @ 8 cents	02		
Coal, 25 lbs., @.2 cents	05		
½ load gravel	50		
Labor repair break in 4-inch gate Market and Ninth streets	15 75		
Four-inch spigot gate	12 50		
Seven feet 4-inch pipe, 153 lbs., @ 1.55 cents	2 37		
Four-inch sleeve, 44 lbs., at 3 cents .	1 32		
Lead, 32 lbs., @ 5 cents	1 60		
Packing, ¼ lb., at 8 cents	02		
Coal, 25 lbs., @ .2 cents	05		
Wooden key box	1 35		
Labor changing location of 4-inch gate Kentucky and Seventh streets	9 25		
Two feet 4-inch pipe, 53 lbs., @ 1.55 cents	82		
Four-inch sleeve, 44 lbs., @ 3 cents	1 32		
Lead, 40 lbs., @ 5 cents	2 00		
Packing, ½ lb., @ 8 cents	04		
Coal, 25 lbs., @ .2 cents	05		
Wooden key box	1 35		
Labor examining, cleaning, and oiling 30-inch gates Reservoir No. 1 .	42 00		
Labor repairing two leaks in 16-inch gates	9 80		
Labor repairing three leaks in 12-inch gates	18 60		
Labor repairing one leak in 8-inch gate	2 00		
Labor repairing seven leaks in 6-inch gates	16 43		
Six-inch follower	30		
Sand	25		
Wooden key box	1 35		
Labor repairing seven leaks in 4-inch gates	11 01		
Labor draining and protecting stop gates in Reservoir avenue	15 26		
Labor examining and repairing stop gates	124 25		
Labor renewing, raising, and lowering key boxes	74 18		
Carried forward	$471 54	$436 56	$10,956 38

Brought forward	$471 54	$436 56	$10,956 38
Thirteen wooden key boxes	17 55		
Two half key boxes, upper	1 60		
Labor setting key boxes on Jefferson street	26 64		
Sixteen No. 2 round tops and lids, 1,360 lbs., @ 3 cents . $40 80			
Cr.			
Seven No. 1 round top sand lids, 1,183 lbs., @ 2 cents . . $23 66			
Nine N. P. tops and lids, 747 lbs., @ 2 c. 14 94			
$38 60	2 20		
Labor setting key boxes on Second street	6 66		
Four No. 2 round tops and lids, 340 lbs., @ 3c . . . $10 20			
Cr.			
Two No. 1 round tops and lids, 338 lbs., @ 2 cents 6 76			
Two N. P. tops and lids, 166 lbs., @ 2c 3 32			
10 08	12		
Labor setting key boxes on Fifth street	5 00		
Three No. 2 round tops and lids, 255 lbs., @ 3 cents . . 7 65			
Cr.			
Three N. P. tops and lids, 249 lbs., @ 2c 4 98			
	2 67		
Labor setting key boxes on Eleventh street	18 32		
Eleven No. 2 round tops and lids, 935 lbs., @ 3 cents . . 28 05			
Cr.			
Eleven No. 1 round tops and lids, 1,859 lbs., @ 2 cents . . 37 18			
	—9 13		
		543 17	
Carried forward		$979 73	$10,956 38

Brought forward			$979 73	$10,956 38
FIRE SERVICE—				
Labor changing location of cistern stop Seventh and Oak streets . . .		$10 00		
Two feet 6-inch pipe, 85 lbs., @ 1.55 cents		1 32		
Lead, 20 lbs., @ 5 cents		1 00		
Packing, ⅛ lb., @ 8 cents		01		
Coal, 20 lbs., @ .2 cents		04		
Labor taking out cistern connection Thirty-second and Rudd avenue .		10 75		
4-inch sleeve, 44 lbs., @ 3 cents	1 32			
Lead, 19 lbs., @ 5c .	95			
Packing, ½ lb., @ 10c	05			
Coal, 25 lbs., @ .2c .	05			
	$2 37			
Cr.				
4 x 4 x 4-inch tee, 98 lbs., @ 3 cents . .	2 94			
4-inch spigot gate . .	11 20			
28.6 feet 4-inch pipe, 595 lbs., @ 1.55 cts	9 22			
No. 1 round top and lid, 166 lbs., @ 3c	4 98			
No. 2 tube, 48 lbs., @ 3 cents	1 44	29 78		
		—27 41		
Labor renew hydrant, Fourteenth and Main streets		6 25		
4-inch hydrant stock		20 00		
Labor repair hydrant, Third and Water		5 77		
Nut and washer		1 50		
Lead, 1 lb		05		
Labor renewing 4-inch gate stem, hydrant Jefferson and Fourth streets		7 60		
4-inch gate stem		2 25		
Repairing screws, etc. of 24 gates . .		21 00		
Labor repairing 23 gate leaks . . .		76 76		
Labor examining and repairing cistern stops		114 00		
Repairing screws, etc. of 3 hydrants		3 25		
Labor repairing three hydrant leaks .		7 10		
Labor draining hydrants		3 05	264 29	1,244 02
Total for mains and distributing pipe				$12,200 40
Carried forward				$12,200 40

Brought forward			$12,200 40

SERVICE PIPE.

PIPE, LEAD, ETC.—			
For 3-inch, 4-inch and 6-inch services	$375 40		
Three 3-inch stop gates	29 36		
Six 4-inch stop gates	75 00		
Two 6-inch stop gates	40 50		
		$520 26	
Sixteen coils ⅝-inch extra strong lead pipe 2,757 lbs., @ 5.625 cents . .	$154 75		
Thirty-eight coils ⅝-inch extra strong lead pipe, 6,426 lbs., @ 5.85 cents .	375 92		
201 coils ⅝-inch extra strong lead pipe 35,738 lbs., @ 6.075 cents	2,171 19		
Sixty-two coils ⅝-inch extra strong lead pipe, 9,817 lbs., @ 6.3 cents .	616 21		
Five coils ¾-inch extra strong lead pipe, 848 lbs., @ 5.625 cents . . .	47 70		
Seven coils ¾-inch extra strong lead pipe, 1,165 lbs., @ 5.85 cents . .	68 15		
Nine coils ¾-inch extra strong lead pipe, 1,486 lbs., @ 6.075 cents . .	90 29		
Six coils 1-inch extra strong lead pipe, 984 lbs., @ 5.85 cents	57 57		
Fifteen coils 1-inch extra strong lead pipe, 2,509 lbs., @ 6.075 cents . .	152 43		
Two coils 1-inch extra strong lead pipe, 320 lbs., @ 6.3 cents	20 16		
9.85 feet 6-inch wrought pipe	17 20		
2.75 feet 5-inch wrought pipe	2 75		
2 ⅓ feet 4-inch wrought pipe	2 23		
4.5 feet 3-inch wrought pipe	3 09		
286⅓ feet 2-inch wrought pipe . . .	62 41		
274⅙ feet 1½-inch wrought pipe . .	46 98		
295 feet 1¼-inch wrought pipe . . .	27 97		
265¼ feet 1-inch wrought pipe . . .	12 95		
49 feet ¾-inch wrought pipe	3 92		
89.9 feet ½-inch wrought pipe . . .	4 35		
One pig Straight's tin, 119¼ lbs., @ 25 cents	29 84		
One pig Straight's tin, 116 lbs., @ 24½ cents	28 42		
Two pig Straight's tin, 227½ lbs., @ 24 cents	54 60		
Three service pipe connections attachments Nos. 8,537, 8,591 and 8,733	53 96		
		4,105 04	
Carried forward		$4,625 30	$12,200 40

Brought forward		$4,625 30	$12,200 40
FERRULES, ETC.—			
522 ⅝-inch ferrules, @ 80 cents . .	$417 60		
Twelve ¾-inch ferrules, @ $1.28 . .	15 36		
Twenty-four 1-inch ferrules, @ $1.78	42 72		
Six 1½-inch ferrules, screw ends, @ $4.50	27 00		
Six 2-inch ferrules, @ $6.90	41 40		
527 ⅝-inch stop cocks, @ 68 cents .	358 36		
Twelve ¾-inch stop cocks, @ $1.00 .	12 00		
Twenty-four 1-inch stop cocks, @ $1.40	33 60		
Twelve 1½-inch stop cocks screw ends, @ $4.50	54 00		
One 2-inch stop cock	5 55		
Nine 2-inch stop cocks, @ $6.00 . .	54 00		
Two 2-inch stop cocks, @ $8.00 . .	16 00		
		1,077 59	
KEY TUBES, ETC.—			
501 round key tubes, @ $1.90 . . .	951 90		
Fifty round key tubes, $2.10	105 00		
Sixteen round key tubes, @ $2.15 . .	34 40		
104 round key tubes, @ 2.20	228 80		
Eighteen odd covers, @ 28 cents . .	5 04		
Eight brass screws, @ 9 cents	72		
Six arches	74		
Key tube top and screw	1 25		
		1,327 85	
METERS—			
One 6-inch Worthington meter . . .	642 00		
Freight on same	36 92		
One 4-inch Worthington meter . . .	279 75		
Freight on same	13 70		
Two 3-inch Worthington meters . .	197 50		
Freight on same	9 72		
Ten 2-inch Worthington meters . . .	500 32		
Freight on same	22 91		
Eleven 1½-inch Worthington meters	442 90		
Freight on same	15 67		
Forty 1-inch Worthington meters . .	1,206 06		
Freight on same	38 60		
Thirty ¾-inch Worthington meters .	682 57		
Freight on same	29 05		
Thirty ⅝-inch Worthington meters .	393 93		
Freight on same	15 05		
Four 2-inch Gem meters	198 00		
Freight on same	2 45		
Two 2-inch Crown meters	152 00		
Freight on same	1 70		
Carried forward	$4,880 80	$7,030 74	$12,200 40

Brought forward	$4,880 80	$7,030 74	$12,200 40
One 5/8-inch Hersey meter	13 63		
Freight on same	90		
O 8-inch Union Water meter counter	3 00		
Express on same	25		
Five 4-in. Worthington meter counters	13 00		
Freight on same	65		
Two cast hoods for 2-inch Union Water meter counters	1 40		
Two patterns for same	4 00		
		4,917 63	
METER FITTINGS—			
Two 6-inch flanges	4 64		
Four 4-inch flanges	5 68		
Six 3-inch flanges	6 53		
Six 2-inch flanges	3 60		
One 1/2-inch flange	34		
Two 1 1/4-inch flanges	81		
Four 3-inch unions	11 90		
Twenty-six 2-inch unions	43 00		
Twenty-two 1 1/2-inch unions	22 10		
Eighty-two 1-inch unions	63 70		
Sixty 3/4-inch unions	21 60		
Sixty-two 5/8-inch unions	15 10		
One 3-inch nipple	40		
Nineteen 2-inch nipples	3 63		
Twelve 1 1/2-inch nipples	1 68		
Five 1-inch nipples	35		
One 3/4-inch nipple	04		
Forty-two bolts	3 22		
Gaskets	1 15		
		209 47	
SUNDRIES—			
3 1/2 feet 3/4-inch steam hose	1 18		
3/4-inch screw	30		
Fifteen feet 3/16-inch tubing	72		
Thirteen brass screws	65		
Murdock hydrant	3 75		
Forty-four gallons gasoline	8 80		
Bread	65		
Ice	25		
Salt	05		
Three lbs. red lead	30		
Linseed oil	10		
Alcohol	10		
Two balls candle wick	10		
Carried forward	$16 95	$12,157 84	$12,200 40

Brought forward	$16 95	$12,157 84	$12,200 40
Thirty-six and ¾ lbs. sheet gum . .	8 19		
Twenty-five lbs. nails	70		
Tacks	10		
Two water buckets	50		
Candles	50		
Repair two water-closet valves . . .	1 25		
Wood strip for gauging meter vault cover	10		
Car fare	20		
Brass tips for self-reading rods . . .	7 50		
		35 99	
ATTACHING METERS—			
Labor and plumber	616 44		
21,330 brick	127 98		
Twenty-nine and ¾ barrels cement .	32 80		
Fifty-nine cast meter vault covers, 18,265 lbs., @ 3 cents	547 95		
Four man-hole curb and covers, 1,848 lbs., @ 2¼ cents	41 60		
		1,366 77	
TESTING AND WORK ON METER—			
Labor testing meters	39 11		
Sixty-two feet 2-inch hose	17 86		
Two 2-inch caps and work on same . .	1 05		
Labor in store-houses on meters . . .	27 51		
		85 53	
PUTTING IN NEW SERVICE CONNECTIONS—			
Labor, hauling, and plumbing on 2-inch, and less in diameter	2,343 31		
Labor, hauling, and foremen on 3-inch service connections	18 64		
Labor, hauling, and foremen on 4-inch service connections	122 38		
Labor, hauling, and foremen on 6-inch service connections	60 97		
Labor in store-house on stock, etc .	137 50		
		2,682 80	
TOOLS—			
Six rammer ends, 69 lbs., @ 3 cents .	2 07		
Twelve rammer handles	6 00		
Four hammer handles	40		
Pair No. 3 Brown's tongs	2 00		
Five monkey-wrenches	3 65		
One wrought-iron wrench	1 00		
One steel wrench	75		
Carried forward	$15 87	$16,328 93	$12,200 40

EDMUND J. JAMES

Brought forward	$15 87	$16,328 93	$12,200 40
One 1-inch reamer	7 50		
One ⅝-inch reamer and drill	6 50		
One ¼-inch tap	45		
One $\frac{7}{32}$-inch tap	35		
Seven chisels	2 95		
Two No. 2 turn pins	50		
One shave hook	45		
One screw driver	40		
One twist drill	25		
Six files	1 44		
One oil stone	40		
One chisel handle	05		
Bed-ticking for wiping solder joints	1 00		
Oil can	15		
Sand paper	55		
Capstan bar for taking out hydrants	1 75		
Coupling valve for force pump	1 15		
Seven feet 1-inch hose for force pump	2 33		
One chest lock and put on	1 00		
Dressing tools	42 90		
Repair ratchet and crab	14 30		
Repair on and off key	35		
Repair hose box key	60		
		103 19	
SMALL FITTINGS—			
6 x 6 x 6-inch tee	1 93		
Six-inch cap	82		
One 1¼-inch tee	25		
Two 3-inch ells	1 70		
Six 2-inch ells	1 75		
One 2 to 1-inch ell	20		
Two 1¼-inch ells	50		
Three 1-inch ells	27		
Four ¾-inch ells	24		
One 5-inch socket	66		
One 3-inch socket	21		
Twelve 2-inch sockets	2 23		
Thirteen 1½-inch sockets	1 66		
Six 1-inch sockets	37		
Two ¾-inch sockets	07		
Ten ½-inch sockets	34		
One ¾-inch nipple	04		
One ½-inch nipple	04		
One 3-inch bushing	24		
One 2-inch bushing	17		
One 1¼-inch bushing	10		
Carried forward	$13 79	$16,432 12	$12,200 40

Brought forward	$13 79	$16,432 12	$12,200 40
One 1-inch bushing	08		
One ¾-inch bushing	05		
Five 2-inch plugs	4 50		
One 1½-inch plug	1 10		
Thirteen 1-inch plugs	3 35		
Twenty-seven assorted plugs	2 55		
Twelve plugs for ⅝-inch stop cocks	1 80		
Twelve plugs for ½-inch stop cocks	1 56		
Four leather gaskets	90		
Six washers	10		
Three-inch hose nipple	1 50		
¾-inch union	74		
Work on fittings	1 97		
		33 99	
SPRINKLING HYDRANTS, ETC—			
Fifteen 4-inch hydrants	480 00		
Hauling same	3 00		
Two wrought stirrups	1 50		
One wrought key	1 25		
Pair hinges	15		
Padlock and three keys	90		
One wooden meter box	5 50	492 30	
		$16,958 41	
Less material to repairs		411 05	
		$16,547 36	
REPAIRS ON SERVICE PIPE—			
1,263½ lbs., lead pipe	98 11		
Iron pipe	32 58		
135½ lbs. solder	18 61		
Nine ferrules	34 24		
Twenty-nine stops	36 34		
Thirty-eight key tubes, new style	83 80		
Twenty key tubes	24 97		
One upper half key tube	60		
Three covers	84		
Twenty bolts	3 68		
Six-inch stop gate	20 25		
Two 4-inch stop gates	22 40		
Six-inch pipe	5 43		
Four feet	5 59		
12 x 12 x 6-inch tee	14 58		
8 x 8 x 4-inch tee	6 69		
Twelve-inch sleeve	3 42		
Eight-inch sleeve	1 89		
Four-inch sleeve	1 35		
Two 3-inch sleeves	97		
Carried forward	$416 34	$16,547 36	$12,200 40

Brought forward	$416 34	$16,547 36	$12,200 40
One 4-inch elbow	2 03		
One 3-inch spigot	15		
Lead, 322 pounds	16 75		
Packing, 6 pounds	45		
Coal, 90 pounds	18		
Cement	50		
Sand	4 00		
Two 4-inch hydrant stocks	40 32		
Three stuffing boxes for hydrants	8 70		
Seven hydrant screws	8 76		
Three-inch nozzle	1 00		
Three-inch brass cap	50		
Three-inch gate stem	2 25		
Three-inch gate slide	1 00		
Three bolts	40		
Rubber gaskets	1 05		
One 1¼-inch flange	46		
One 1-inch socket	11		
One 1-inch bushing	08		
One ¾-inch hose bib	74		
Two ¾-inch nipples	50		
One ¾-inch screw	30		
One ¾-inch ell	05		
Thirteen plugs	3 28		
Repairing 3 hydrants	3 45		
Labor and plumber	864 42		
Labor and plumber on key tubes	229 42		
	1,607 19		
Cr.			
Two 4-inch stop gates	$25 00		
Two 3-inch stop gates	15 20		
Three-inch pipe	1 26		
One 12 x 12 x 4-inch tee	14 04		
One 8 x 8 x 2-inch tee	6 03		
One 4 x 4 x 3-inch tee	3 51		
One 12-inch sleeve	1 13		
One 3-inch elbow	1 51		
One 3-inch hydrant	16 10		
Two 4-inch hydrant stocks	26 88		
Cast stem	38		
One No. 2 round top and lid	2 55		
One N. P. top and lid	2 32		
Two No. 1 tubes	2 94		
	118 85	1,488 34	
REPAIRING METERS—			
Top for 6-inch Union water meter	40 00		
Freight on same	2 60		
Carried forward	$42 60	$18,035 70	$12,200 40

Brought forward		$42 60	$18,035 70	$12,200 40
Labor and machine work overhauling 3 2-inch Gem meters		48 55		
Freight on same		1 40		
Cash paid for exchanges		1 60		
One 3-inch pawl plate		3 58		
One 1-inch pawl plate and slide		1 75		
One pinion wheel for 2-inch Gem meter		1 73		
Two 5-inch backing flanges		3 00		
Four 2-inch flanges		1 50		
Two 1¼-inch flanges		81		
One 2-inch union		2 00		
Three 1-inch unions		2 54		
Two ¾-inch unions		75		
One 2-inch nipple		88		
Six 1-inch nipples		43		
One 2-inch ell		08		
One 2 to 1-inch ell		20		
Two 1½-inch ells		50		
One 1-inch ell		12		
Eleven assorted counters		28 53		
Rubber gaskets		1 40		
One counter arm		50		
One hood		55		
Iron pipe		3 11		
Seventy-two lbs. lead pipe		46		
1½ lbs. solder		20		
One 2-inch sleeve		42		
One 1-inch bushing		10		
One 5-inch socket		66		
Two 1-inch sockets		16		
Three lbs. lead		17		
Thirteen bolts		1 30		
Glass for meter counters		20		
Brick		4 29		
Cement		4 65		
Sand		1 77		
Straw		1 29		
Key for hydrant		1 25		
Repairs on meters		21 50		
Labor and plumber		599 71		
		786 24		
Cr.				
Three 3-inch unions	$10 10			
Four 1½-inch unions	4 20			
Eight ⅝-inch union	2 00			
Four 2-inch nipples	65			
Carried forward	$16 95	$786 24	$18,035 70	$12,200 40

Brought forward	$16 95	$786 24	$18,035 70	$12,200 40
Four 1½-inch nipples	96			
One 2-inch copper reverse curve	3 24			
One 4-inch spigot	66			
Cast hood for 2-inch meter . .	2 65			
Two cast meter vault covers .	18 60			
Two flat meter vault covers .	2 32			
One wooden meter box . . .	5 50			
		50 88		
			735 36	
				18,771 06
				$30,971 46

CREDIT PIPE SYSTEM.

D. Long & Co., 20-inch stop gate	$180 00	
D. Long & Co., 6-inch stop gate and connection	30 62	
D. A. Forline extension	68 39	
K. & I. Bridge Co., 6-inch stop gate	28 01	
Snead & Co. bill paid twice	9 75	
J. M. & I. R. R. repair hydrant, Fourteenth and Main streets	29 75	
J. T. Ligget kitchen boiler	13 93	
D. Long & Co. 12 12-inch pipe, 5,384 lbs., @ $30	80 76	
25,790 lbs. scrap iron @ 62½ cents	161 18	
45,990 lbs. scrap iron, @ 55 cents	252 96	
9,240 lbs. scrap iron, @ 30 cents	27 72	
		883 07
		$30,088 39

Construction	$27,106 21
Repairs	2,982 18
Total	$30,088 39

CONTINGENT EXPENSES.

Balance of agreed fee for assisting counsel in case of Sheriff of Jefferson County vs. Louisville Water Company	125 00
Commonwealth of Kentucky vs. Louisville Water Company	750 00
Court fees	51 20
Lunch, wine, and cigars	60 00
Two office chairs	11 00
Walnut coat and hat rack	2 50
Medical services rendered to Peter Kappesser . .	40 00
One hundred feet steel chain	12 25
Carried forward	$1,051 95

Brought forward	$1,051 95	
One plumb bob	2 00	
Repairs on transit	3 00	
Painting skiff	1 50	
		$1,058

Construction	$27 75
Repairs	1,030 70
Total	$1,058 45

EXPENSES CONDUCTING THE WORKS.

GENERAL MANAGEMENT, DISTRIBUTION, AND EXTENSION—

President, salary	$3,600 00
Treasurer, salary	2,000 00
Secretary, salary	2,000 00
Chief Engineer and Superintendent, salary	4,800 00
Chief Engineer and Superintendent, clerk, salary	1,456 73
Chief Engineer and Superintendent, occasional clerk, salary	650 20
Two Hydrant Surveyors, salary $3,016.64 less $431.79 included in amount for reading meters	2,584 85
One Hydrant Surveyor accountant, salary	1,584 85
One inspector of service pipe and fixtures for ten months	832 00
Two inspectors of service pipe and fixtures for two months	203 20
Notice clerk and messenger	417 34
Turning on and off water	2,341 65
Reading meters	916 76
Porter	782 50
Night watchman	546 00
Two cash books	50 00
Two assessment books	30 00
Two summary books	27 50
One permit book	30 00
One bill register book	32 00
One blotter book	9 00
One service assessed book	6 75
Twenty-four permit books	45 00
Seven inspectors blank notice books	10 60
One small meter book	6 75
Two street-sprinkling meter books	7 00
144 time books	33 50
Forty-eight pass books	10 85
Thirteen assorted books	14 20
Two diaries	2 10
Rebinding 3 record books	8 00
Carried forward	$25,039 33

Brought forward		$25,039 33
100 copies addenda added to rules and regulations		12 00
Printing 500 copies annual report for 1885		304 00
Wrapping 200 copies for mailing		3 00
Printing bill heads, blanks, etc		148 65
Advertising		489 89
Stationery		78 30
Seventeen boxes pens		25 75
10,000 two-cent envelopes		228 00
18,500 printed postals		230 50
Postage		23 10
Postal cards		1 50
Two city directories		13 00
Courier-Journal for 1886		15 50
Commercial for 1886		7 84
Ten voucher boxes—wood		4 00
Ten file boxes—paper		3 00
Three stub files		3 25
Subscription for counterfeit detector		3 00
Thirty sheets ruled paper		2 25
Twenty-four sheets cross section paper		6 00
One roll tracing cloth		7 60
One roll drawing paper, 45 yards		7 20
One roll manila drawing paper, 35 pounds		4 73
One cake marine ash		75
One cake carmine		45
One cake gamboge		25
Feed for horses	$284 28	
Shoeing horses	45 25	
Repairs on wagons	6 14	
Repairs on harness	13 48	
	349 15	
Cr.		
By amount charged to reading meters	84 83	264 32
One brown horse		150 00
One spring wagon		100 00
One set harness		27 00
Carriage hire		12 00
Veterinary surgeon		3 00
Medicine		1 30
Two horse blankets		4 75
Two stable brooms		1 15
Salt		55
Castile soap		50
Twelve boxes axle grease		90
Toll		70
Car fare		1 35
Carried forward		$27,230 36

Brought forward	$27,230 36	
Notary public fees	2 00	
Telegrams	4 55	
Fifty feet metallic tape line, assessor	2 50	
Donation to letter-carrier 1886	5 00	
Rent of telephone, four	455 00	
80,400 cubic feet gas	95 81	
575 bushels coal	67 50	
1,100 bushels coke	92 00	
Expenses of committee on taxes	3 75	
Twenty-four towels	6 00	
Washing towels	17 85	
Thirty-six rolls water-closet paper	4 50	
Three cocoa mats	5 25	
Three dusters	3 00	
Twelve tumblers	75	
14½ lbs. white castile soap	2 32	
Eight brooms	1 95	
Sixteen mops	4 00	
Soap and soapine	2 65	
Four scrubbing brushes	40	
Sponges	25	
Chamois	50	
Case matches	2 70	
Twelve argand chimneys	1 00	
Seven-inch green shade	50	
Tubular lamp for on and off man	90	
Three tubular globes	40	
Thirty-one gallons coal oil	4 40	
Two dippers	10	
Mounting map	50	
Cane seat in stool	50	
Sprinkling street	28 00	
Ice	31 15	
Put up and take down awnings	4 50	
Box for storing awnings	2 00	
Petty cash	1 85	
		$28,086 39
PUMPING DEPARTMENT—		
First Engineer, salary	2,000 00	
Second Engineer, salary	1,717 75	
Third Engineer, salary	1,800 00	
Fourth Engineer, salary	1,000 00	
Striker	840 00	
Oilmen	1,833 20	
Firemen	1,833 20	
Coal wheelers	1,833 20	
Carried forward	$12,857 35	$28,086 39

Brought forward	$12,857 35	$28,086 39
Night watchman	660 00	
Occasional labor	190 05	
143,002 bushels of coal for Cornish engine, at an average price of 8.597143	12,294 09	
13,826 bushels of coal for Blake pumps, at an average price of 8.597143	1,188 64	
347 bushels of coal for stoves, at an average price of 8.597143	29 83	
23 bushels coal for blacksmithing, at an average price of 8.597143	1 98	
Sixty-nine bushels coal for inlet and river work, at an average price of 8.597143	5 93	
18,371 bushels coal on hand January 1, 1887, at an average price of 8.597143	1,579 38	
Two barrels valvoline cylinder oil, 100 gallons	103 62	
Seventy-five gallons cylinder oil	37 50	
142¾ gallons castor oil	189 78	
97½ gallons lard oil	60 92	
771 gallons lamp oil	83 31	
Twenty-five lbs. tallow	1 50	
143¼ yards cotton	8 34	
Two bales of oakum	8 50	
390½ lbs. hemp packing @ 13 cents	50 70	
Ten ¾ lbs chandler wick	2 69	
Three balls tarred marlin	76	
Eight lbs. twine	1 60	
Eight feet 1½ inch cotton rope	63	
Sixteen feet 1⅛ inch cotton rope	1 38	
130 pounds manila rope	16 93	
Five pounds cotton batting	63	
Fifty feet two-inch hose	15 00	
Forty-two pounds plumbago	7 50	
144 lamp chimneys	6 60	
Twenty-four tubular globes	3 00	
Lamp wick	30	
Eight barrels soft soap	68 00	
One box olive soap	3 75	
Three boxes candles	13 20	
Twenty-four brooms	5 75	
Twelve scrubbing brushes	1 25	
One quire emery cloth	75	
Two machine hammers	2 10	
Fifty pounds nails	1 35	
One pair scissors	50	
Two barrels charcoal	80	
Six pounds double dressed hemp, for dusters	60	
Carried forward	$29,506 49	$28,086 39

Brought forward	$29,506 49	$28,086 39
Whitewash brush	35	
One No. 4 gallon pot	60	
Six horse buckets	3 75	
Three water buckets	50	
16,127 pounds ice	64 40	
Eight chairs	8 00	
Express on stores	6 06	
		29,590 15
RESERVOIR STATIONS—		
One keeper Reservoir No. 1	660 00	
One keeper Crescent Hill Reservoir	720 00	
Two gate keepers Crescent Hill Reservoir	994 50	
One night watchman Crescent Hill Reservoir	267 00	
Two Sunday watchmen Crescent Hill Reservoir	228 00	
One janitor public shelter Crescent Hill Reservoir	232 25	
Six chairs	6 00	
173 bushels coal	24 21	
Fourteen brooms	3 70	
Two mops	60	
Thirteen scrubbing brushes	1 80	
Three dusters	1 20	
Two sponges	60	
Three window cleaners	1 05	
Eight gallons coal oil	1 20	
Three tin cups	15	
Toll	1 60	
Car-fare	7 15	
Labor cleaning screens effluent well, eight times	97 13	
Two gallons gasoline for melting ice on screens	40	
One can	35	
Labor gathering ice in January, 1886	78 40	
Labor gathering ice in December, 1886	69 00	
Two bales of straw for packing ice	1 23	
Labor repairing ice plow	1 22	
Labor cleaning out ice house	3 15	
		3,401 89
		$61,078 43
Cr.		
By value of coal on hand January 1, 1886	2,561 52	
Peaslee-Gaulbert Co. bill paid twice	5 10	
By sale of horse	50 00	
By error in pay roll	22 40	2,639 02
		$58,439 41

(See Schedule No. VII.)

The net expenses for conducting the works during 1886 were as follows:

Value of coal on hand January 1, 1886		$2,561 52
Disbursements on account of conducting the works in 1886		58,516 91
		$61,078 43
Less by value of coal on hand January 1, 1887	$1,579 38	
By sale of horse	50 00	
By error in bill refunded	5 10	
By error in pay roll	22 40	1,656 88
		$59,421 55

SCHEDULE No. VII.

RECAPITULATION OF DISBURSEMENTS IN 1886.

HEADINGS.	Constructing and Additions.	Repairs.	Expenses Conducting the Works.	TOTALS.
Real estate	$ 17 90	$ 806 05		$ 823 95
Inlet and river work	849 91	171 14		1,021 05
Engines, pumps, etc	225 00	3,707 65		3,932 65
Engine-house, etc		249 09		249 09
Stand-pipe and tower		1,150 93		1,150 93
New pumping station	10,724 29			10,724 29
Engine No. 3	100 80			100 80
Coal-houses		161 50		161 50
Improvements around buildings				
Pipeway		235 02		235 02
Reservoir No. 1				
Crescent Hill reservoir	138 87	600 52		739 39
Roads, fences, and improvem'nts of grounds		269 09		269 09
Pipe system	27,503 74	3,467 72		30,971 46
Contingent expenses	27 75	1,030 70		1,058 45
Expenses conducting the Works			$56,937 53	56,937 53
Fuel on hand			1,579 38	1,579 38
	$39,588 26	$11,849 41	$58,516 91	$109,954 58
Credits	402 53	556 98	77 50	1,037 01
Totals, net	$39,185 73	$11,292 43	$58,439 41	$108,917 57

SCHEDULE

Cost of Construction, Repairing, and Con

PERIODS.	Real Estate	Inlet and River Work	Engines, Pumps, and Attachments	Engine-houses, Chimneys and Equipments	Stand-pipe and Tower	New Pumping Station	Engine No. 3	Coal-houses
Cost to January 1, 1862, as per Schedule No. 1, in Fourth Annual Report	$ 44,928 64	$ 25,849 26	$ 117,753 64	$ 102,590 38	$ 31,286 68	$	$	$ 5,684 01
In 1862			524 15	1,960 84	43 95			
In 1863	354 64	—143 77	490 86	686 92	734 60			237 46
In 1864	29 74	115 94	6,818 75		5 20			23 60
In 1865	201 79	3,562 59	3,298 74	1,069 09	954 57			199 85
In 1866	313 10	820 13	4,872 67	1,924 44	23 60			2 90
In 1867	25,335 26	3,415 58	1,021 46	33 00				
In 1868	*2,345 66	248 61	646 71	187 50	18 50			54 25
In 1869	*4,177 60		4,312 46	4,626 28	12 25			
In 1870	*6,933 02	269 96	6,716 34	4,674 04	30 00			10 30
In 1871	*997 74	44 15	5,799 36	2,606 65	1,337 30			6 35
In 1872	*283 97	2 50	1,143 07	90 00	135 00			53 65
In 1873	130 23		752 32	33 25	1 80			
In 1874	406 13	34 85	2,652 77	86 20	985 71			
In 1875	11,203 37	304 90	1,043 37	129 16	12,738 45			40 86
In 1876	811 43	125 40	349 71	2,210 01	1,123 26			90 36
In 1877	958 53	2,080 43	1,328 26	180 95	157 33			7 88
In 1878	558 38	1,316 86	2,458 59	2,058 95	36 36			3 94
In 1879	1,063 93	231 61	25,801 69	32 86	411 20			
In 1880	90 93	1,051 65	3,990 72		64 16			53 19
In 1881	580 68	802 21	3,283 74	13 00				12 36
In 1882	11,984 50	51 90	5,150 26	2,053 21	1,343 94			
In 1883	271 83	203 62	937 18	75 90				13 67
In 1884	6,502 68	106 42	131 89	6 00			4,770 87	
In 1885	730 68	342 62	1,491 31	717 65		14,137 93	752 97	
In 1886	823 95	1,016 05	3,926 11	249 09	1,150 93	10,724 29	100 80	96 60
Coal on hand								
Totals	122,018 41	41,853 47	206,696 13	128,295 37	52,594 79	24,862 22	5,624 64	6,591 23

* These amounts differ from those in former reports by the amounts

No. VIII.

DUCTING WATER WORKS TO JANUARY 1, 1887.

Improvements around the Buildings	Pipeway	Reservoir No. 1	Crescent Hill Reservoir	Roads, Fences, and Improvements of Grounds	Pipe System	Contingent Expenses	Expenses of conducting the Works	TOTALS.
$	$	$	$	$	$	$	$	$
21,093 21	. . . . .	74,535 37	. . . . .	31,459 13	313,728 06	55,850 90	12,717 33	837,476 61
255 12	. . . . .	2,436 26	. . . . .	800 19	7,822 46	240 94	12,446 18	26,530 09
195 60	. . . . .	1,860 64	. . . . .	44 69	65,992 47	342 30	16,670 48	87,466 89
248 50	. . . . .	2,746 59	. . . . .	330 20	60,842 29	56 45	21,692 04	92,248 90
97 67	. . . . .	497 83	. . . . .	1,954 78	12,060 40	100 75	27,968 44	51,966 50
. . . . .	. . . . .	243 30	. . . . .	893 00	76,925 50	30 00	26,726 74	112,775 38
. . . .	. . . . .	735 50	. . . . .	1,837 97	95,063 69	52 55	25,753 54	153,248 55
. . . . .	. . . . .	5 50	. . . . .	709 70	221,379 31	43 95	27,433 13	*253,072 82
18 50	. . . . .	656 65	. . . . .	1,802 56	119,921 28	561 00	26,247 79	*162,336 37
. . . . .	. . . . .	1,235 90	. . . . .	2,096 40	54,077 19	46 15	29,827 47	*105,916 77
. . . . .	. . . . .	968 03	. . . . .	1,864 80	54,820 98	560 50	30,093 24	*99,099 10
. . . . .	. . . . .	16 65	. . . . .	1,101 37	152,565 29	822 48	33,247 30	*189,461 28
. . . . .	. . . . .	3 45	. . . . .	794 67	170,322 22	418 00	35,989 23	208,445 17
. . . . .	. . . . .	1 44	815 75	449 60	116,288 07	301 11	37,428 54	159,450 17
. . . . .	. . . . .	17 45	1,417 85	62 20	45,768 48	94 50	38,239 77	111,060 36
. . . . .	. . . . .	3,410 47	16,478 14	1,166 28	63,717 59	241 86	44,016 67	133,741 18
. . . . .	16,804 38	7 85	137,260 12	122 07	171,690 48	232 66	41,899 84	372,730 78
1,456 06	46,138 44	7 80	233,656 47	3 79	100,155 71	322 60	42,802 19	430,976 14
. . . . .	19,797 96	24 45	180,003 37	319 39	34,318 56	645 35	40,218 37	302,868 74
8 38	210 74	144 92	83,300 66	362 10	16,344 20	81 00	48,901 28	154,603 93
263 00	684 75	11 43	64,701 77	812 25	34,413 65	10 00	58,982 04	164,570 88
584 08	575 51	224 84	40,808 20	2,765 60	40,101 90	575 65	53,185 98	159,405 57
322 38	1,534 39	. . . . .	25,640 17	946 56	21,660 08	1,582 81	59,504 03	112,692 62
18 00	323 35	. . . . .	6,448 07	1,128 63	72,893 20	12,491 70	53,166 42	158,188 23
140 47	155 57	. . . . .	1,330 74	77 16	39,113 05	255 08	60,212 31	119,457 54
. . . . .	235 02	. . . . .	739 39	269 09	30,088 39	1,058 45	56,860 03	107,338 19
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . .	1,579 38	1,579 38
24,700 97	86,460 11	89,792 32	792,800 70	53,513 78	2,192,074 50	77,018 74	963,809 76	4,868,707 14

of rents for tenements, heretofore credited to real estate.

SCHEDULE No. IX.

SHOWING THE NUMBER AND SIZE OF SERVICE ATTACHMENTS.

SUPPLYING EACH.	One ½ in. .1963 1 Stop.	One ½ in. .1963 2 Stops.	One ½ in. .1963 3 Stops.	One ½ in. and one ⅝ in. .503 2 Stops.	One ½ in. and one ⅝ in. .503 3 Stops.	One ½ in. and one ¾ in. .6381 2 Stops.	One ½ in. and one ¾ in. .6381 4 Stops.	One ½ in. and two ⅝ in. .8097 3 Stops.	1 ½ 1 ⅝ 1 ¾ and one 1 inch 1.730 4 Stops.	One ½ in. and one 1 inch .9817 2 Stops.	One ½ in. and one 1½ in. 1.963 2 Stops.
January 1, 1861 . . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1862 . . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1863 . . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1864 . . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1865 . . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1866 . . .	156	2	0	3	0	0	0	0	1	0	0
January 1, 1867 . . .	406	2	0	8	0	0	0	1	1	0	0
January 1, 1868 . . .	633	2	1	12	0	0	0	0	0	1	0
January 1, 1869 . . .	838	3	1	16	0	0	0	1	0	1	0
January 1, 1870 . . .	1,002	7	1	19	0	0	1	1	0	1	0
January 1, 1871 . . .	1,289	7	1	20	0	0	1	2	0	2	0
January 1, 1872 . . .	1,727	7	1	23	0	0	1	2	0	3	0
January 1, 1873 . . .	1,991	5	4	23	0	0	1	2	0	3	0
January 1, 1874 . . .	2,412	5	4	23	0	0	1	2	0	3	0
January 1, 1875 . . .	3,024	5	4	23	0	0	1	2	0	3	0
January 1, 1876 . . .	3,707	15	2	0	1	0	1	1	0	0	0
January 1, 1877 . . .	3,996	15	2	0	1	0	1	1	0	0	0
January 1, 1878 . . .	4,222	14	2	0	1	0	1	1	0	0	0
January 1, 1879 . . .	4,374	14	2	0	1	0	1	1	0	0	0
January 1, 1880 . . .	4,602	13	2	0	1	0	1	1	0	0	1
January 1, 1881 . . .	4,727	13	2	2	1	0	1	1	0	0	1
January 1, 1882 . . .	4,736	13	2	2	1	0	1	1	0	0	1
January 1, 1883 . . .	4,730	13	2	2	1	0	1	1	0	0	1
January 1, 1884 . . .	4,728	13	2	2	1	0	1	1	0	0	1
January 1, 1885 . . .	4,722	13	2	0	1	0	1	1	0	1	1
January 1, 1886 . . .	4,727	13	2	0	1	0	1	1	0	1	1
Modificati'ns in 1886—											
1 Premises	—16	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2 Premises	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	4,711	13	2	0	1	0	1	1	0	1	1
1886.											
1 Premises	4	. .	. . .	. . .	. . .	. . .	. .	. .	. . .	. . .	. . .
2 Premises	. . .	. .	. . .	. . .	. . .	. . .	. .	. .	. . .	. . .	. . .
	4,715	13	2	0	1	0	1	1	0	1	1

SCHEDULE No IX.—Continued.

SUPPLYING EACH.	One ½ in. and two ¾ in.	One ½ in. and one 1½ in.	One ½ in. and one 2 in.	One ½ in. and one 4 in.	Two ½ in.	Two ½ in. and one ⅝ in.	Two ½ in. one ⅝ in. and 1 2 in.	Two ½ in. and two 2 inch	3 ½ in. and one ⅝ in.	3 ½ in. and one 1 inch	3 ½ in. 1 ⅝ 1 ¾ and 1 1 inch
	1.0797 2 Stops.	2.074 2 Stops.	3.33⁵ 2 Stops.	12.7663 2 Stops.	.3926 2 Stops.	.6993 3 Stops.	3 8411 4 Stops.	6.6759 4 Stops	.895⁵ 4 Stops.	1.374 4 Stops.	2.123 6 Stops.
January 1, 1861 . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1862 . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1863 . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1864 . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1865 . .	0	1	0	0	0	0	0	0	0	0	0
January 1, 1866 . .	0	1	0	0	1	0	0	0	0	0	0
January 1, 1867 . .	1	1	0	0	2	0	0	0	0	1	0
January 1, 1868 .	1	1	0	0	3	0	0	0	0	1	4
January 1, 1869 .	1	1	0	0	3	0	0	0	0	1	4
January 1, 1870 . .	1	1	0	0	4	0	0	0	0	1	4
January 1, 1871 . .	1	1	0	0	7	1	0	0	0	1	4
January 1, 1872 . .	1	1	0	0	7	1	0	0	0	1	4
January 1, 1873 . .	1	1	0	0	7	1	0	0	0	1	4
January 1, 1874 . .	1	1	0	0	7	1	0	0	0	1	4
January 1, 1875 . .	1	1	0	0	7	1	0	0	0	1	4
January 1, 1876 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1877 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1878 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1879 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1880 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1881 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1882 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1883 . .	0	0	0	0	0	1	0	0	0	0	0
January 1, 1884 . .	0	0	0	0	0	1	1	0	0	0	0
January 1, 1885 . .	0	0	0	0	0	1	1	0	0	0	0
January 1, 1886 . .	0	0	0	0	0	1	1	1	0	0	0
Modific'ns in 1886—											
1 Premises . . .	. . .	. . .	. .	—1	. . .	. . .	. . .	. . .	. . .	. .	. . .
2 Premises . . .	. . .	. . .	. .	. .	. . .	. . .	. . .	. . .	. . .	. .	. .
	0	0	0	0	0	1	1	1	0	0	0
1886.											
1 Premises	. . .	. . .	. . .	. . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
2 Premises	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	0	0	0	0	0	1	1	1	0	0	0

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	Four ½ in. and two ¾ in. 1.6696 Stops.	Five ½ in. and one 1 inch 1.7677 Stops.	One ⅝ in. .3067 1 Stop.	One ⅝ in. .3067 2 Stops.	One ⅝ in. and one ¾ in. .7484 2 Stops.	One ⅝ in. and one 1 inch 1.092 2 Stops.	One ⅝ in. .3067 3 Stops.	One ⅝ in. .3067 4 Stops.	One ⅝ in. and one 2 inch 3.488 2 Stops.	One ⅝ in. and one 3 inch 7.375 2 Stops.	One ⅝ in. and one ¾ in. .7485 2 Stops.
January 1, 1861 . . .	0	0	207	2	0	1	0	0	0	0	0
January 1, 1862 . . .	0	0	418	3	1	1	0	0	0	0	0
January 1, 1863 . . .	0	0	672	3	2	2	1	0	0	0	0
January 1, 1864 . . .	0	0	970	3	4	2	1	0	0	0	0
January 1, 1865 . . .	0	0	1,340	3	4	1	1	0	0	1	0
January 1, 1866 . . .	0	0	1,403	3	5	1	1	0	1	1	0
January 1, 1867 . . .	0	0	1,455	6	6	1	1	0	1	1	0
January 1, 1868 . . .	1	0	1,481	6	8	1	2	1	1	1	0
January 1, 1869 . . .	1	0	1,508	18	8	1	4	1	1	1	0
January 1, 1870 . . .	1	0	1,513	25	9	1	5	1	1	1	0
January 1, 1871 . . .	1	0	1,533	30	9	1	5	1	1	1	0
January 1, 1872 . . .	1	0	1,541	30	10	1	5	1	1	1	0
January 1, 1873 . . .	1	0	1,549	32	10	1	5	1	1	1	0
January 1, 1874 . . .	1	0	1,545	33	10	1	5	1	1	1	0
January 1, 1875 . . .	1	0	1,555	33	10	1	5	1	1	1	0
January 1, 1876 . . .	0	1	1,585	82	0	0	7	1	1	0	1
January 1, 1877 . . .	0	1	1,583	81	0	0	7	1	2	0	1
January 1, 1878 . . .	0	1	1,584	82	0	0	7	1	1	0	1
January 1, 1879 . . .	0	1	1,580	82	1	0	7	1	1	0	1
January 1, 1880 . . .	0	1	1,582	82	1	0	7	1	1	0	1
January 1, 1881 . . .	0	1	1,625	82	1	0	7	1	1	0	1
January 1, 1882 . . .	0	1	1,996	82	2	0	7	1	1	0	1
January 1, 1883 . . .	0	1	2,283	82	1	0	7	1	1	0	1
January 1, 1884 . . .	0	1	2,626	82	1	0	7	1	1	1	1
January 1, 1885 . . .	0	1	3,022	82	2	0	7	1	1	1	1
January 1, 1886 . . .	0	1	3,415	82	2	0	7	1	1	1	1
Modificati'ns in 1886—											
1 Premises	. . .	. . .	—3	. . .	. . .	+1	. . .	. . .	+1	. . .	. . .
2 Premises	. . .	. . .	. .	—1	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	0	1	3,412	81	2	1	7	1	2	1	1
1886.											
1 Premises.	. . .	. . .	484	. . .	. . .	. . .	. .	. . .	. . .	. . .	. . .
2 Premises	. . .	. . .	. . .	. .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	0	1	3,896	81	2	1	7	1	0	1	1

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	One ⅝ in 1 ¾. and one 1 inch 1.534 3 Stops.	One ⅝ in. one 1 and one 2 inch 4.234 3 Stops.	One ⅝ in. 2 ¾ and one 2 inch 4.3311 4 Stops.	Two ⅝ in. .6134 4 Stops.	Two ⅝ in. .6134 1 Stop.	Two ⅝ in. and one ¾ in. 1.055 3 Stops.	Two ⅝ in. .6134 2 Stops.	Two ⅝ in. and one 2 inch 3.7551 3 Stops.	Two ⅝ in. and one 3 inch 7.6822 3 Stops.	Three ⅝ in. .8201 3 Stops.	One ¾ in .4417 1 Stop.
January 1, 1861 . . .	0	0	0	0	1	0	10	0	0	2	6
January 1, 1862 . . .	0	0	0	0	3	0	20	0	0	2	14
January 1, 1863 . . .	0	0	0	0	5	0	26	0	0	3	21
January 1, 1864 . . .	1	0	0	0	6	1	32	0	0	3	25
January 1, 1865 . . .	1	0	0	0	6	1	44	0	0	4	32
January 1, 1866 . . .	0	0	0	0	6	1	47	0	0	4	42
January 1, 1867 . . .	0	0	1	0	6	1	47	0	0	4	52
January 1, 1868 . . .	0	0	1	0	6	1	54	0	0	4	63
January 1, 1869 . . .	0	0	1	3	6	1	57	0	0	4	65
January 1, 1870 . . .	0	0	1	3	6	1	58	0	0	4	71
January 1, 1871 . . .	0	0	1	3	6	1	57	0	0	4	79
January 1, 1872 . . .	0	0	1	3	6	2	55	1	0	4	88
January 1, 1873 . . .	0	0	1	5	6	2	53	1	0	4	99
January 1, 1874 . . .	0	0	1	5	6	2	53	1	0	4	101
January 1, 1875 . . .	0	0	1	5	6	2	53	1	0	4	109
January 1, 1876 . . .	0	0	0	0	1	0	13	0	0	2	137
January 1, 1877 . . .	0	0	0	0	1	0	13	0	0	2	142
January 1, 1878 . . .	0	1	0	0	1	0	13	0	0	2	147
January 1, 1879 . . .	0	1	0	0	1	0	13	0	0	2	160
January 1, 1880 . . .	0	1	0	0	1	0	13	0	0	2	167
January 1, 1881 . . .	0	1	0	0	1	0	14	0	0	2	172
January 1, 1882 . . .	0	1	0	0	1	0	14	0	0	2	180
January 1, 1883 . . .	0	1	0	0	1	0	13	0	0	2	184
January 1, 1884 . . .	0	1	0	0	1	0	14	0	0	2	198
January 1, 1885 . . .	0	1	0	0	1	0	15	0	1	2	212
January 1, 1886 . . .	0	1	0	0	1	0	15	0	1	2	226
Modificati'ns in 1886—											
1 Premises	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	—1
2 Premises	. . .	. . .	. . .	. . .	. . .	. .	. . .	. . .	. .	. . .	—1
	0	1	0	0	1	0	15	0	1	2	224
1886.											
1 Premises	. . .	. . .	. . .	. . .	. .	. . .	. .	. . .	. . .	. . .	12
2 Premises	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. .
	0	1	0	0	1	0	15	0	1	2	236

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	One ¾ in. .4417 2 Stops.	One ¾ in. .4417 3 Stops.	One ¾ in. and one 1 inch .1227 2 Stops.	One ¾ in. and two 1 inch .2013 3 Stops.	One ¾ in. and three 1 inch 2.798 2 Stops.	One ¾ in. and one 1 inch 1.227 8 Stops.	One ¾ in. and one 1½ in. 2.2089 2 Stops.	One ¾ in. and one 2 inch 3.5834 2 Stops.	One ¾ in. and one 3 inch 7.5104 2 Stops.	Two ¾ in. .8834 1 Stop.
January 1, 1861	1	0	0	0	0	0	0	0	0	0
January 1, 1862	1	0	0	0	0	0	0	0	0	0
January 1, 1863	1	0	1	0	0	0	0	0	0	2
January 1, 1864	1	0	2	0	0	0	0	0	0	2
January 1, 1865	1	0	1	1	1	1	0	0	0	2
January 1, 1866	1	0	1	1	1	1	0	0	0	2
January 1, 1867	1	0	1	1	1	1	0	0	0	1
January 1, 1868	1	0	1	1	1	1	0	0	0	1
January 1, 1869	1	0	1	1	2	1	0	0	0	1
January 1, 1870	1	0	1	1	2	1	0	0	0	1
January 1, 1871	1	0	1	1	2	1	0	0	0	1
January 1, 1872	1	0	1	1	2	1	0	0	0	1
January 1, 1873	1	0	1	1	2	1	0	0	0	1
January 1, 1874	6	0	1	1	1	1	0	0	0	1
January 1, 1875	7	0	1	1	1	1	0	0	0	1
January 1, 1876	6	3	0	0	0	0	0	0	0	0
January 1, 1877	6	3	0	0	0	0	0	0	0	0
January 1, 1878	7	3	0	0	0	0	0	0	0	0
January 1, 1879	7	3	0	0	0	0	0	0	0	0
January 1, 1880	6	6	0	0	0	0	0	0	0	0
January 1, 1881	6	6	0	0	0	0	0	0	0	0
January 1, 1882	6	6	0	0	0	0	0	0	0	0
January 1, 1883	6	6	0	0	0	0	0	0	0	0
January 1, 1884	8	6	0	0	0	0	0	1	0	0
January 1, 1885	8	6	0	0	0	0	1	1	1	0
January 1, 1886	8	7	0	0	0	0	1	1	1	0
Modifications in 1886—										
1 Premises	. . .	. . .	+1	. . .		. . .	. . .	. . .	. . .	. . .
2 Premises	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	8	7	1	0	0	0	1	1	1	0
1886.										
1 Premises	. . .	. . .	. .	. . .	. .	. . .	. . .	. . .	. . .	. .
2 Premises	. . .	. . .	. . .	. . .	. .	. . .	. . .	. . .	. . .	. . .
	8	7	1	0	0	0	1	1	1	0

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	Two ¾ in. .8834 2 Stops.	Two ¾ in. and one 1 inch 1.6688 6 Stops	Two ¾ in. 1 1 in and one 1½ in. 3.4358 6 Stops	Two ¾ in. and one 1 inch 13.45 3 Stops.	3 ¾ in. 1.325 3 Stops	One ⅞ in. .6013 1 Stop.	One 1 inch .7854 1 Stop.	One 1 inch .7854 2 Stops.	One 1 inch .7854 3 Stops	One 1 inch .7854 4 Stops.	One 1 inch .7854 5 Stops.
January 1, 1861 . . .	0	0	0	0	0	0	19	0	0	0	0
January 1, 1862 . . .	0	0	0	1	0	0	36	0	0	0	0
January 1, 1863 . . .	0	0	0	1	0	0	38	0	1	0	0
January 1, 1864 . . .	0	0	0	1	0	0	39	0	1	0	0
January 1, 1865 . . .	0	0	0	1	0	0	44	0	1	0	0
January 1, 1866 . . .	1	0	0	1	0	0	47	0	1	0	0
January 1, 1867 . . .	1	9	0	1	0	0	53	0	2	0	0
January 1, 1868 . . .	0	0	0	1	2	0	54	0	2	0	0
January 1, 1869 . . .	0	0	0	1	2	0	57	0	2	0	0
January 1, 1870 . . .	0	0	0	1	1	0	59	0	2	0	0
January 1, 1871 . . .	0	0	0	1	1	2	68	0	3	0	0
January 1, 1872 . . .	0	0	0	1	1	2	68	0	13	0	0
January 1, 1873 . . .	0	0	0	1	1	4	76	0	15	0	0
January 1, 1874 . . .	0	0	0	1	1	4	89	1	16	0	1
January 1, 1875 . . .	0	0	0	1	1	4	98	1	17	0	1
January 1, 1876 . . .	1	0	0	0	0	8	135	6	3	3	2
January 1, 1877 . . .	1	0	0	0	0	8	141	6	3	3	2
January 1, 1878 . . .	1	0	0	0	0	9	146	0	3	3	2
January 1, 1879 . . .	1	0	0	0	0	9	156	6	3	3	2
January 1, 1880 . . .	1	0	0	0	0	9	155	16	3	3	2
January 1, 1881 . . .	1	0	0	0	0	9	171	16	3	2	2
January 1, 1882 . . .	1	0	0	0	0	9	176	16	3	2	2
January 1, 1883 . . .	1	0	0	0	0	9	186	16	3	2	2
January 1, 1884 . . .	1	0	0	0	0	9	198	16	3	2	2
January 1, 1885 . . .	1	0	0	0	0	0	209	16	3	2	2
January 1, 1886 . . .	1	0	1	0	0	0	213	16	3	2	2
Modificati'ns in 1886—											
1 Premises	. . .	. . .	. . .	. . .	. . .	. . .	+12	. . .	. . .	. . .	. . .
2 Premises	. . .	. . .	. . .	. . .	. . .	. . .	—1	. . .	. . .	. . .	. . .
	1	0	1	0	0	0	224	16	3	2	2
1886.											
1 Premises	. . .	. . .	. . .	. . .	. . .	. . .	8	. . .	. . .	. . .	. . .
2 Premises	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	1	. . .	. . .
	1	0	1	0	0	0	232	16	4	2	2

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	One 1 inch .7854 7 Stops.	One 1 inch .7854 8 Stops.	One 1 inch and one 2 inch 3 927 2 Stops.	One 1 inch one ½ and one 3 inch 9 6204 3 Stops	One 1 inch and two ⅝ in. 1.399 7 Stops.	Two 1 inch 1.571 1 Stop.	Two 1 inch 1.571 2 Stops.	Two 1 inch 1.571 8 Stops.	Two 1 inch and one 4 inch 14.14 3 Stops.	3 1 inch 2.356 1 Stop.	3 1 inch 2.356 2 Stops.
January 1, 1861 . . .	0	0	0	0	0	1	3	0	0	2	0
January 1, 1862 . . .	0	0	0	0	0	4	3	0	0	4	0
January 1, 1863 . . .	0	0	0	0	0	4	3	0	0	4	0
January 1, 1864 . . .	0	0	0	0	0	4	3	0	0	3	0
January 1, 1865 . . .	0	0	0	0	0	6	3	0	0	2	0
January 1, 1866 . . .	0	0	0	0	0	6	3	0	0	2	0
January 1, 1867 . . .	0	0	0	0	0	26	3	0	1	2	0
January 1, 1868 . . .	0	0	1	0	0	31	3	0	1	2	0
January 1, 1869 . . .	1	0	1	0	0	35	3	0	1	1	0
January 1, 1870 . . .	1	0	1	0	0	36	3	0	1	1	0
January 1, 1871 . . .	1	0	1	0	0	37	3	0	1	2	0
January 1, 1872 . . .	1	0	1	0	0	37	3	0	1	2	0
January 1, 1873 . .	1	0	1	0	0	35	3	0	1	2	0
January 1, 1874 . . .	1	0	1	0	0	35	3	0	1	2	0
January 1, 1875 . . .	1	0	1	0	0	35	3	0	1	1	0
January 1, 1876 . . .	0	1	0	0	0	5	1	1	1	0	1
January 1, 1877 . . .	0	1	0	0	0	5	1	1	1	0	1
January 1, 1878 . . .	0	0	0	0	0	5	1	1	1	0	1
January 1, 1879 . . .	0	0	0	0	0	5	1	1	1	0	1
January 1, 1880 . . .	0	0	0	0	0	5	1	1	1	0	1
January 1, 1881 . . .	0	0	0	0	1	5	1	1	1	0	1
January 1, 1882 . . .	0	0	0	1	1	5	1	0	1	0	1
January 1, 1883 . . .	0	0	0	1	1	5	1	1	1	0	1
January 1, 1884 . . .	0	0	0	1	1	5	1	1	1	0	1
January 1, 1885 . . .	0	0	0	1	1	5	1	1	1	0	1
January 1, 1886 . . .	0	0	0	1	1	5	1	1	1	0	1
Modificati'ns in 1886—											
1 Premises	.	.	.	.	.	.	.	.	.	.	.
2 Premises	.	.	.	.	.	.	.	.	.	.	.
	0	0	0	1	1	5	1	1	1	0	1
1886.											
1 Premises	.	.	.	.	.	.	.	.	.	.	.
2 Premises	.	.	.	.	.	.	.	.	.	.	.
	0	0	0	1	1	5	1	1	1	0	1

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	One 1 inch and one 1½ in. 2.5525 2 Stops.	One 1 inch two 1¼ in. and 1 2 inch 6.3812 4 Stops.	One 1-inch, 2 2-inch, 2 4-inch, and 3 6-inch, 117.025 8 Stops.	3 1 inch and one 4 inch 14.92 4 Stops.	Four 1 inch 3.142 2 Stops.	Four 1 inch 3.142 3 Stops.	Five 1 inch 3.927 2 Stops.	One 1¼ in. 1.227 1 Stop.	One 1½ in. 1.767 1 Stop.	One 1½ in. one 2 inch one 3 inch 11.977 3 Stops.
January 1, 1861	0	0	0	1	0	0	0	0	0	0
January 1, 1862	0	0	0	1	0	0	0	0	0	0
January 1, 1863	0	0	0	1	0	0	0	0	0	0
January 1, 1864	0	0	0	1	0	1	1	0	0	0
January 1, 1865	0	0	0	1	1	1	1	0	0	0
January 1, 1866	0	0	0	1	1	1	1	0	0	0
January 1, 1867	0	0	0	0	1	1	1	0	0	0
January 1, 1868	0	0	0	0	1	1	1	0	0	0
January 1, 1869	0	0	0	0	1	1	1	0	0	0
January 1, 1870	0	0	0	0	1	1	1	0	0	0
January 1, 1871	0	0	0	0	1	1	1	0	0	0
January 1, 1872	0	0	0	0	1	1	1	0	0	0
January 1, 1873	0	0	0	0	1	1	1	0	0	0
January 1, 1874	0	0	0	0	1	1	1	0	0	0
January 1, 1875	0	0	0	0	1	1	1	0	0	0
January 1, 1876	0	0	0	0	0	0	0	0	0	0
January 1, 1877	0	0	0	0	0	0	0	0	0	0
January 1, 1878	0	0	0	0	0	0	0	0	0	0
January 1, 1879	0	0	0	0	0	0	0	0	1	0
January 1, 1880	0	0	0	0	0	0	0	0	5	0
January 1, 1881	0	0	0	0	0	0	0	0	6	0
January 1, 1882	0	0	0	0	0	0	0	0	5	0
January 1, 1883	1	0	0	0	0	0	0	0	11	0
January 1, 1884	1	1	1	0	0	0	0	1	15	0
January 1, 1885	1	1	1	0	0	0	0	4	21	0
January 1, 1886	2	1	0	0	0	0	0	4	30	0
Modifications in 1886—										
1 Premises									—2	
2 Premises										
	2	1	0	0	0	0	0	4	28	0
1886.										
1 Premises									7	
2 Premises										
	2	1	0	0	0	0	0	4	35	0

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	One 1½ in. and one 3 inch	One 2 inch	One 2 inch	One 2 inch	One 2 inch	One 2 inch and one 3 inch	Two 2 inch	Two 2 inch two 4 inch three 6 inch	One 3 inch	One 3 inch and one 4 inch	One 4 inch
	8.836	3.142	3.142	3.142	3.142	10.211	6.283	116.234	7.068	19.638	12.57
	2 Stops.	1 Stop.	2 Stops.	4 Stops.	7 Stops.	2 Stops.	2 Stops.	7 Stops.	1 Stop.	2 Stops.	1 Stop.
January 1, 1861 . .	0	0	0	0	0	0	0	0	0	0	0
January 1, 1862 . .	0	0	0	0	0	0	0	0	101	0	0
January 1, 1863 . .	0	1	0	0	0	0	0	0	104	0	0
January 1, 1864 . .	0	2	0	0	0	0	0	0	126	0	0
January 1, 1865 . .	0	6	0	0	0	0	0	0	137	0	0
January 1, 1866 . .	0	8	0	0	0	0	0	0	154	0	2
January 1, 1867 . .	0	11	0	0	0	0	0	0	176	0	4
January 1, 1868 . .	0	12	0	0	0	0	0	0	184	0	6
January 1, 1869 . .	0	11	0	0	0	0	0	0	186	0	7
January 1, 1870 . .	0	17	0	0	0	0	0	0	195	0	8
January 1, 1871 . .	0	25	0	0	0	0	0	0	200	0	8
January 1, 1872 . .	0	31	0	0	0	0	0	0	203	0	8
January 1, 1873 . .	0	46	0	0	0	0	0	0	245	0	9
January 1, 1874 . .	0	55	0	0	0	0	0	0	260	0	19
January 1, 1875 . .	0	64	0	0	1	0	0	0	294	0	24
January 1, 1876 . .	0	51	1	1	2	0	0	0	27	0	19
January 1, 1877 . .	0	57	1	1	2	0	0	0	27	0	17
January 1, 1878 . .	0	58	1	1	2	1	0	0	27	0	17
January 1, 1879 . .	0	58	1	1	2	1	0	0	29	0	17
January 1, 1880 . .	0	58	1	1	2	1	0	0	32	0	18
January 1, 1881 . .	0	60	1	1	2	1	0	0	37	0	19
January 1, 1882 . .	0	65	1	1	1	0	0	0	48	0	24
January 1, 1883 . .	0	70	1	1	1	0	0	0	54	0	25
January 1, 1884 . .	1	78	1	1	1	0	2	0	54	0	25
January 1, 1885 . .	1	85	1	1	1	0	2	0	54	0	25
January 1, 1886 . .	1	89	1	1	1	0	2	1	54	1	24
Modificati'ns in 1886											
1 Premises . . .	. . .	+1	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	+2
2 Premises . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	1	90	1	1	1	0	2	1	54	1	26
1886.											
1 Premises . . .	. . .	4	. . .	. . .	. . .	. . .	. . .	. . .	2	. . .	. . .
2 Premises . . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
	1	94	1	1	1	0	2	1	56	1	26

SCHEDULE No. IX.—Continued.

SUPPLYING EACH.	One ⅝ inch	One ¾ inch	Hydraulic Elevators.					Street Cisterns.				
			One 2 inch	One 3 inch	One 4 inch	One 5 inch	One 6 inch	One 3 inch	One 4 inch	One 6 inch	1 3 in. and 1 6 in.	1 4 in. and 1 6 in.
	28.27 1 Stop.	50.27 1 Stop.	3.142 1 Stop.	7.068 1 Stop.	12.57 1 Stop.	19.635 1 Stop.	28.27 1 Stop.	7.068 1 Stop.	12.57 1 Stop.	28.27 1 Stop.	35.34 2 Stops.	40.84 2 Stops.
January 1, 1861	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1862	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1863	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1864	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1865	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1866	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1867	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1868	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1869	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1870	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1871	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1872	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1873	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1874	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1875	0	0	0	0	0	0	0	0	0	0	0	0
January 1, 1876	0	0	1	21	7	0	0	278	40	0	0	0
January 1, 1877	0	0	1	27	7	0	1	276	54	0	0	0
January 1, 1878	0	0	1	36	7	0	1	263	69	1	1	1
January 1, 1879	0	0	1	39	8	0	1	259	73	4	2	1
January 1, 1880	0	0	1	43	8	0	1	259	76	7	2	1
January 1, 1881	0	0	1	47	9	0	1	256	82	8	2	1
January 1, 1882	1	1	1	50	10	0	1	252	91	19	2	1
January 1, 1883	1	1	1	58	13	1	1	243	98	29	2	1
January 1, 1884	1	1	1	59	15	1	1	232	111	39	2	1
January 1, 1885	1	1	1	62	19	1	1	222	122	51	2	1
January 1, 1886	1	1	1	62	23	1	1	215	129	65	2	1
Modifications in 1886—												
1 Premises						−2	+1	−9	+6	+1		
2 Premises												
	1	1	1	62	21	1	2	206	135	66	2	1
1886.												
1 Premises	1				4		1		7	3		
2 Premises												
	2	1	1	62	25	1	3	206	142	69	2	1

SCHEDULE No. IX.—Continued.

SUPPLYING EACH	STREET SPRINKLING SUPPLY.				FIRE HYDRANTS.			FIRE Es'a's	Total number of Attachments.	Total area of Attachments in square inches.	Total number of premises supp'd with water.	Total increase in the No. of premises supplied
	Two 1 inch	One 2 inch	One 3 inch	One 4 inch	One 3 inch	One 4 inch	One 10 in.	One 3 inch				
	1.571 1 Stop.	3.142 1 Stop.	7.068 1 Stop.	12.57 1 Stop.	7.068 1 Stop.	12.57 1 Stop.	78.54 1 Stop.	7.068 1 Stop.				
Jan'y 1, 1861	0	0	0	0	0	0	0	0	256	117.70	294	294
Jan'y 1, 1862	0	0	0	0	0	0	0	0	612	224.11	578	284
Jan'y 1, 1863	0	0	0	0	0	0	0	0	897	336.63	914	336
Jan'y 1 1864	0	0	0	0	0	0	0	0	1,236	455.10	1,293	379
Jan'y 1, 1865	0	0	0	0	0	0	0	0	1,652	614.95	1,754	461
Jan'y 1, 1866	0	0	0	0	0	0	0	0	1,918	690.71	2,019	265
Jan'y 1, 1867	0	0	0	0	0	0	0	0	2,295	817.91	2,434	415
Jan'y 1, 1868	0	0	0	0	0	0	0	0	2,600	917.40	2,783	349
Jan'y 1, 1869	0	0	0	0	0	0	0	0	2,871	979.38	3,089	306
Jan'y 1, 1870	0	0	0	0	0	0	0	0	3,083	1,054.57	3,312	223
Jan'y 1, 1871	0	0	0	0	0	0	0	0	3,436	1,163.92	3,668	356
Jan'y 1, 1872	0	0	0	0	0	0	0	0	3,911	1,311.07	4,131	463
Jan'y 1, 1873	0	0	0	0	0	0	0	0	4,268	1,431.14	4,452	312
Jan'y 1, 1874	0	0	0	0	0	0	0	0	4,742	1,786.04	4,932	474
Jan'y 1, 1875	0	0	0	0	0	0	0	0	5,431	2,046.05	5,591	659
Jan'y 1, 1876	12	18	8	0	1	11	0	0	6,234	5,100.27	6,228	549
Jan'y 1, 1877	11	18	12	1	1	11	0	0	6,559	5,435.00	6,541	313
Jan'y 1, 1878	11	18	12	7	1	12	0	0	6,820	5,717.85	6,797	253
Jan'y 1, 1879	11	14	12	14	1	18	0	0	7,012	6,093.27	6,978	185
Jan'y 1, 1880	4	13	16	23	1	18	0	0	7,283	6,454.64	7,243	268
Jan'y 1, 1881	3	13	19	24	1	18	0	0	7,506	6,724.83	7,462	221
Jan'y 1, 1882	3	11	19	28	1	20	0	2	7,947	7,588.46	7,877	434
Jan'y 1, 1883	1	11	19	31	1	32	0	2	8,293	8,387.87	8,201	331
Jan'y 1, 1884	1	12	19	31	1	62	0	2	8,730	9,499.41	8,594	404
Jan'y 1, 1885	1	10	19	37	1	139	1	2	9,261	11,231.39	9,034	460
Jan'y 1, 1886	1	10	18	37	1	138	1	2	9,709	11,849.68	9,469	446
Modificati'ns in 1886—												
1 Premises	. . .	. . .	— 2	+ 1	. . .	. . .	. . .	. . .	— 9	+ 63.25	— 7	. . .
2 Premises	. . .	. . .	. . .	.	.	.	. .	. . .	— 3	— 1.53	— 3	. . .
	1	10	16	38	1	138	1	2	9,697	11,911.40	9,459	446
1886.												
1 Premises	. .	1	. . .	2	. .	5	. .	. .	545	570 64	530	530
2 Premises	. . . . .								1	0.79	1	1
	1	11	16	40	1	143	1	2	10,243	12,482.83	9,990	531

SCHEDULE No. X.

LIST OF ESTABLISHMENTS SUPPLIED WITH WATER BY METER MEASUREMENT.

Number.	NAMES OF ESTABLISHMENTS.	SIZE OF METERS. 8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	1½-inch.	1-inch.	¾-inch.	⅝-inch.	Total.
3	Academies							2	1		3
1	Agricultural Works							1			1
1	Bagging Factory			1							1
4	Bakeries						1	3			4
1	Baptist Theological Seminary							1			1
7	Barber Shops						1	6			7
3	Beer Gardens						1	2			3
1	Billiard Saloon									1	1
21	Block Buildings					1	1	18	5	1	26
1	Board of Trade						1	1			2
1	Boarding House							1			1
17	Breweries			1	2	3	2	10			18
6	Brick Yards						1	4	1		6
1	Bridge Works			1							1
3	Candle and Soap Factories					2		1			3
1	Central Park					1					1
1	Coffin Works							1			1
1	Cold Storage					1					1
2	Confectioneries							2			2
3	Cooperage Works					1		2			3
1	Corn Mill									1	1
1	Cave Hill Cemetery					1					1
1	Club Room								1		1
1	Children's Carriage Manufactory								1		1
1	Chain Works							1			1
1	Car Wheel, and Railway Supply Co					1					1
1	Charcoal Manufacturer									1	1
1	Carpet Store							1			1
1	Cotton Compress Company			1							1
1	County Jail							1			1
1	Court-House					1	2				3
1	Courier-Journal Building				1						1
1	Custom-House		1								1
1	Dairy Company				1						1
18	Distilleries	1	1	3	9	3		1			18
1	Druggist								1		1
2	Dry Goods Stores						1	1			2
17	Dwellings				1	1	1	10	1	3	17
2	Electric Light Companies					2					2
1	Edge Tool Factory							1			1
1	Exposition			5		1					6
1	Fair Association				1						1
5	Fertilizer Works					1	4				5
1	Fish and Game Depot							1			1
2	Florists						1			1	2
12	Foundries and Machine Shops					5		4	1	2	12
8	Furniture Factories							5	3		8
1	Furniture Store							1			1
165	*Carried forward*	1	2	12	15	25	17	82	12	13	179

SCHEDULE No. X.—Continued.

Number	NAMES OF ESTABLISHMENTS.	Size of Meters									Total
		8-inch	6-inch	4-inch	3-inch	2-inch	1½-inch	1-inch	¾-inch	⅝-inch	
165	*Brought forward*	1	2	12	15	25	17	82	12	13	179
5	Flouring Mills					1		3	1		5
2	Gas Works					4					4
1	Glass Works						1				1
1	Glue Factory					1					1
4	Grain Elevators				1	2		1			4
1	Gymnasium							1			1
3	Hospitals				3						3
21	Hotels				2	4	3	13			22
1	House of Refuge					1					1
3	Hub, Spoke, Wheel, and Handle Fac's					2		1			3
2	Ice Companies					2					2
1	Ice Pond				1						1
3	Infirmaries				1		2				3
1	Jockey Club					1					1
2	Laundries								1	1	2
12	Livery Stables					1	1	9	1		12
1	Louisville Fair-store					1					1
1	Machinist and Mill Supplies							1			1
1	Mineral Water Factory								1		1
1	Marble Works							1			1
3	Malt Houses				1			2			3
4	Market Houses							3	1		4
1	Masonic Widows and Orphans' Home				1						1
14	Office Buildings					2	1	10	1		14
1	Ohio Valley Telephone Co					1	1				2
2	Oil Refineries						1	1			2
2	Orphan Asylums					1	1				2
1	Organ Builders									1	1
1	Pain's Fire Works					1					1
4	Packing Houses					2		2			4
2	Paper Mills			1	1						2
1	Photographer							1			1
1	Pickling Works							1			1
12	Planing Mills						4	7		1	12
2	Pipe Foundries				2			1			3
1	Picture Frame Factory							1			1
2	Publishing Houses					1	1				2
4	Plow Factories				1	3					4
9	Pork Houses				6	3					9
1	Press Brick Company						1				1
4	Public Halls				1	1	1		1		4
13	Railroad Stations (steam)			3	6	5		2			16
11	Railroad Stations (horse)					3	2	4	2		11
1	Restaurant							1			1
1	Rolling Mill					1					1
22	Saloons						2	13	5	2	22
1	Saw Mill							1			1
1	Shirt Manufactory						1				1
1	Steam Forge Company				1						1
355	*Carried forward*	1	2	16	43	60	40	162	26	18	377

SCHEDULE No. X.—Continued.

Number.	NAMES OF ESTABLISHMENTS.	Size of Meters. 8-inch.	6-inch.	4-inch.	3-inch.	2-inch.	1½-inch.	1-inch.	¾-inch.	⅝-inch.	Total.
355	*Brought forward*	1	2	16	43	69	40	162	26	18	377
4	Stock Yards					2		2			4
4	Steam Stone Yards						2	2			4
53	Street Sprinkling Hydrants			1		52					53
2	Swimming Pools				2						2
16	Tanneries					2	2	12			16
1	Tanners' Offal Company					1					1
1	Terra Cotta Works							1			1
2	Theaters						1		1		2
11	Tobacco Factories				2	4	1	4			11
1	Transfer Company						1	1			2
1	Vegetable Farm					1					1
2	Vinegar Works						1	1			2
2	Warehouses					1		1			2
2	White Lead Work							2			2
7	Woolen Mills			1	2	3	1				7
1	Wooden-ware Manufacturing Company					1					1
3	Water Cranes		1	1	1						3
1	Work House				1						1
2	Wagon Manufacturing Companies					3					3
471		1	3	19	51	139	49	188	27	18	495

List of Establishments Using Water for Hydraulic Elevators.

Number.	NAMES OF ESTABLISHMENTS.	Size of Attachments. 6-inch.	5-inch.	4-inch.	3-inch.	2-inch.	Total.
1	Block Buildings . . . . . Counter.				1		1
1	Dwelling . . . . . Counter.					1	1
1	Express Company (Adams) . . . Counter.				1		1
3	Hotels . . . . . Counter.			3			3
1	Hotel . . . . . Meter.				1		1
1	Hospital . . . . . Counter.				1		1
1	Louisville Gas Works . . . . . Counter.				1		1
2	Office Buildings . . . . . Counter.			1	1		2
1	Packing House . . . . . Counter.				1		1
63	Stores . . . . . Counter.	2	1	16	44	1	64
1	Store . . . . . Meter.				1		1
1	Tobacco Factory . . . . . Counter.			1			1
3	Tobacco Warehouses . . . . . Counter.	2		1	1		4
1	U. S. Custom House . . . . . Meter.	2					2
1	Warehouse			1			1
82		6	1	23	53	2	85

SCHEDULE

DISTRIBUTION OF

MONTHS IN THE YEAR.	PER MONTH.	PER DAY.
1886.	Gallons.	Gallons.
In January	281,778,000	11,200,241
In January (Blake pumps)	65,429,488	
In February	300,748,875	11,136,017
In February (Blake pumps)	11,059,600	
In March	249,182,325	9,357,793
In March (Blake pumps)	40,909,254	
In April	297,394,125	9,913,138
In May	311,936,100	10,062,455
In June	315,298,200	10,509,940
In July	347,724,300	11,216,913
In August	330,108,450	10,648,660
In September	320,712,000	10,690,400
In October	306,396,300	9,883,752
In November	249,358,200	9,019,491
In November (Blake pumps)	21,226,520	
In December	343,780,500	11,089,694
Totals and averages	3,793,042,237	10,391,897
In 1885—Totals and averages	3,620,924,105	9,920,340
In 1884—Totals and averages	3,251,143,875	8,882,907
In 1883—Totals and averages	2,993,805,166	8,202,206
In 1882—Totals and averages	2,699,701,168	7,396,441
In 1881—Totals and averages	3,152,076,555	8,653,826
In 1880—Totals and averages	2,364,171,073	6,567,141
In 1879—Totals and averages	1,888,031,655	5,172,689
In 1878—Totals and averages	1,649,757,375	4,519,883
In 1877—Totals and averages	1,608,762,225	4,407,568
In 1876—Totals and averages	1,526,288,400	4,170,187
In 1875—Totals and averages	1,317,954,750	3,610,835
In 1874—Totals and averages	1,313,536,350	3,598,730
In 1873—Totals and averages	1,173,002,775	3,213,705
In 1872—Totals and averages	1,079,555,925	2,949,606
In 1871—Totals and averages	982,262,400	2,691,130
In 1870—Totals and averages	1,028,314,350	2,817,299
In 1869—Totals and averages	903,707,175	2,475,910
In 1868—Totals and averages	752,248,875	2,055,325
In 1867—Totals and averages	685,669,925	1,878,547
In 1866—Totals and averages	674,930,025	1,849,123
In 1865—Totals and averages	622,994,825	1,706,835
In 1864—Totals and averages	453,027,225	1,241,170
In 1863—Totals and averages	364,505,925	948,646
In 1862—Totals and averages	369,678,750	1,012,811
In 1861—Totals and averages	233,829,045	640,627

No. XI.

WATER IN 1886.

Number of service attachments .	Number of premises or houses supplied . .	Estimated number of water consumers	Estimated population within pipe limits	Estimated population in city . . .	Each inhabitant per day	Each consumer per day . . . .
					Gallons.	Gallons.
. . . .	. . . .	. . . .	. . . .	. . . .	70.00	112 11
. . . .	. . . .	. . . .	. . . .	. . . .	69 60	111 48
. . . .	. . . .	. . . .	. . . .	. . . .	58.48	93 67
. . . .	. . . .	. . . .	. . . .	. . . .	61.96	99 23
. . . .	. . . .	. . . .	. . . .	. . . .	62.89	100.73
. . . .	. . . .	. . . .	. . . .	. . . .	65.69	105.20
. . . .	. . . .	. . . .	. . . .	. . . .	70 11	112.29
. . . .	. . . .	. . . .	. . . .	. . . .	66.55	106 59
. . . .	. . . .	. . . .	. . . .	. . . .	66.82	107.01
. . . .	. . . .	. . . .	. . . .	. . . .	61.77	98 94
. . . .	. . . .	. . . .	. . . .	. . . .	56 37	92.85
. . . .	. . . .	. .	. . . .	. . .	69.31	111.01
10,243	9.990	99,900	130,500	160.000	64 95	104.02
9,709	9.469	94,690	130,000	159 000	62.39	104.77
9 261	9,034	90,340	125,500	158,000	56.22	98.33
8.730	8,594	85.940	125.000	158 000	51.91	95.44
8.293	8,201	82.010	124,500	157,000	47.11	90.19
7.947	7.877	78,770	124.000	150,000	55.47	109.86
7.506	7,462	74,620	123,000	156,000	42.09	88.01
7.283	7,243	72,430	123.000	156,000	33.16	71.42
7.012	6,978	69,780	120,000	154.000	29 35	64.77
6,820	6,797	67.970	117,000	154,000	28.62	64.85
6.559	6,541	65.410	116,000	152,000	27.44	63.75
6,234	6,228	62,280	114.000	152.000	23.76	57.98
5.431	5,591	55.910	109,000	152,000	23.68	64.37
4,742	4.932	49,320	98,000	144.000	22.32	65 16
4,268	4.452	44.520	84,000	136,000	21.69	66.25
3,911	4.131	41,310	76,000	129,000	20.86	65.13
3.436	3,698	36.680	70,000	122,000	23 09	79.53
3.083	3.312	33,120	64,000	115,000	21.53	74.76
2.695	3.089	30.000	62,000	109.000	18.86	66.30
2,414	2.783	28,000	60 000	103,000	18.24	67.10
2,205	2.434	25,000	56,000	98,000	18.87	73.96
1,766	2.019	20,190	51,000	92,000	18.55	85 35
1.517	1,754	17.540	49.000	87.000	14.27	62 06
1,112	1 300	18,150	40.000	83,000	11.43	55.02
794	925	13 000	34 000	78.000	12.98	77.91
512	582	5.820	32 000	74 000	8.66	73.60

SCHEDULE

ANNUAL COST OF MAINTAIN

YEARS.	Interest on City Water Bonds, paid by City.	Interest on Company Water Bonds, paid by Water Company.	Total interest on Bonds per annum.	Expenses conducting the Works per annum.	Repairs and contingent expenses per annum.
Previous to Jan. 1, 1861.	$	$	$	1,379 32	
In 1861	57,360 00		57,360 00	11,338 01	
In 1862	57,360 00		57,360 00	12,446 18	
In 1863	57,360 00	5,500 00	62,860 00	16,670 48	2,931 46
In 1864	57,360 00	7,811 00	65,171 00	21,692 04	11,407 02
In 1865	57,360 00	17,108 63	74,468 63	27,968 44	7,435 80
In 1866	57,360 00	10,080 00	67,440 00	26,726 74	7,757 39
In 1867	59,850 00	11,910 00	71,760 00	25,753 54	4,525 21
In 1868	76,800 00	11,977 27	88,777 27	27,433 13	2,098 56
In 1869	81,810 00	12,030 00	93,870 00	26,247 79	6,108 84
In 1870	80,760 00	12,042 50	92,802 50	29,827 08	10,366 11
In 1871	80,460 00	11,370 00	91,830 00	30,093 24	7,726 12
In 1872	85,140 00	12,485 00	97,625 00	33,247 30	4,590 62
In 1873	84,707 58	11,975 00	96,682 58	35,989 23	6,677 23
In 1874	87,230 89	11,100 00	98,330 89	37,428 54	10,133 70
In 1875	86,626 66	8,730 00	95,356 66	38,239 77	5,878 98
In 1876	86,097 98	6,600 00	92,697 98	44,016 67	10,857 11
In 1877	86,200 00	57,960 00	144,160 00	41,899 84	5,725 35
In 1878	85,420 00	55,200 00	140,620 00	42,802 19	5,320 24
In 1879	82,580 00	55,080 00	137,660 00	40,218 37	5,856 00
In 1880	82,520 00	54,570 00	137,090 00	48,901 28	12,521 40
In 1881	82,040 00	55,140 00	137,180 00	58,982 04	11,850 51
In 1882	81,150 00	54,240 00	135,390 00	53,185 98	37,502 02
In 1883	80,220 00	54,000 00	134,220 00	54,386 35	11,121 59
In 1884	73,980 00	54,000 00	127,980 00	56,486 92	21,911 40
In 1885	72,720 00	54,000 00	126,720 00	59,332 07	10,498 32
In 1886	70,380 00	54,000 00	124,380 00	59,421 55	11,292 43
Totals	1,950,883 11	698,909 40	2,649,792 51	962,114 09	232,093 41
†Averages					

*Including $3,545.70 from sale of ferrules.

No. XII.

ING WORKS, AND REVENUE.

Total cost of maintaining Works per annum.	Revenue per annum.	Excess of cost for maintaining Works over revenue.	Interest on Bonds per 1,000 gallons of water distributed.	Expenses conducting Works, per 1,000 gals. of water distributed.	Repairs and contingent expenses per 1,000 gals. water distributed.	Total cost per 1,000 gals. of water distributed.	Revenue per 1,000 gals. of water distributed.
$	$	$	c.	c.	c.	c.	c.
1,379 32	*1,855 05	—475 73	. . .		. . .	. . .	. .
68,638 01	*12,445 60	56,252 41	24.53	4.85	. . .	29.38	5.32
69,806 18	*17,586 36	52,219 82	15.52	3.37	. . .	18.89	4.76
82,461 94	*33,412 30	49,049 64	17.24	4.58	0.80	22.62	9.17
98,270 06	44,614 45	53,655 61	14.39	4.79	2.51	21.69	9.84
109,872 87	71,149 07	38,723 80	11.95	4.49	1.19	17.63	11.42
101,924 13	75,535 01	26,389 12	9.99	3.96	1.15	15.10	11.19
102,038 75	84,835 38	17,203 37	10.47	3.75	0.66	14.88	12.37
118,308 96	97,042 44	21,266 52	11.80	3.65	0.28	15.7	12.90
126,226 63	105,066 96	21,159 67	10.39	2.90	0.68	13.27	11.63
132,995 69	104,279 21	28,716 48	9.02	2.90	1.01	12.93	10.14
129,649 36	114,328 52	15,320 84	9.35	3.06	0.79	13.02	11.64
135,462 92	153,046 73	—17,583 81	9.04	3.08	0.43	12.55	14.18
139,349 04	154,169 03	—14,819 99	8.24	3.07	0.57	11.88	13.14
145,893 13	182,613 00	—36,719 87	7.49	2.85	0.77	11.11	13.90
139,475 41	174,163 82	—34,688 41	7.23	2.90	0.45	10.58	13.21
147,571 76	163,659 54	—16,087 78	6.07	2.88	0.71	9 67	10 72
191.785 19	185,203 76	6,581 43	8 96	2.06	0.36	11.92	11.51
188,742 43	171,047 88	17,694 55	8.52	2.06	0.32	11.44	10.37
183,734 37	176,097 45	7,636 92	7.29	2.13	0.31	9.73	9.33
198,512 68	189,621 13	8,891 55	5.80	2.07	0.53	8.40	8.03
208,012 55	216,802 93	—8,790 38	4.35	1.87	0.38	6.60	6 88
226,078 00	227,051 80	—973 80	5.01	1.97	1 39	8.37	8 41
199,727 94	208,720 35	—8,992 41	4.48	1.82	0.37	6.67	6.97
206,378 32	215,994 79	—9,616 47	3.94	1.74	0.67	6.35	6.64
196,550 39	226,670 12	—30,119 73	3.50	1.64	0.29	5.43	6.26
195,093 98	246,348 91	—51.254 93	3.28	1.57	0.30	5.14	6.49
3,844,000 01	3,653,361 59	190,638 42	. .	. .	. .		. .
. . . . .	. . . . .	. . . . .	6.54	2.37	0.57	9.49	9.02

†Total distribution, 40,502,921,254 gallons.

REVENUE.

By this is meant the total net receipts from the sale of water, rents of tenements, and interest.

For the year 1886 the receipts have been as follows:

For water supplied for domestic and manufacturing purposes, by assessment	$138,083 14
For water supplied to irregular consumers and for building purposes	3,941 45
For water sold by meter measurement	75,959 62
For water supplied to hydraulic elevators, by meter	13,429 06
For water supplied sprinkling carts, by meter	6,545 38
For water supplied City of Louisville (for 1886)—	
To fire cisterns and hydrants	0 00
To eleven engine houses and two hook and ladder companies	0 00
To city offices and hall	0 00
To five police stations	0 00
Rents for ten tenement houses and incidental revenue	3,002 84
Total	$240,961 49

The revenue has been expended for, and applied to, the following purposes:

$59,421 55	(24.66	per cent. of revenue) for expenses conducting the works.
11,292 43	(4.69	per cent. of revenue) for repairs and contingent expenses.
51,714 24	(21.46	per cent. of revenue) for interest on Water Company's bonds issued in 1876.
62,624 37	(25.99	per cent. of revenue) for Water Company's Sinking Fund.
10,825 09	(4.49	per cent. of revenue) for new engine and new pumping station.
28,360 64	(11.77	per cent. of revenue) for pipe extension and general betterments.
16,723 17	(6.94	per cent. of revenue) embraced in coal and cash on hand January 1, 1887.
$240,961 49	(100.00)	Total.

Very respectfully,

CHARLES HERMANY,

Chief Engineer and Superintendent.

REPORT

OF THE

STREET CLEANING DEPARTMENT

FOR THE

YEAR ENDING AUGUST 31, 1886.

SUPERINTENDENT'S REPORT.

OFFICE STREET-CLEANING DEPARTMENT,
LOUISVILLE, KY., September 1, 1886.

To the Mayor and General Council of the City of Louisville:

GENTLEMEN: In accordance with the ordinance creating the Street-cleaning Department, approved May 31, 1873, I have the honor to submit this, the Annual Report of the operations of this department.

Respectfully submitted,
WM. EGELHOFF,
Superintendent.

ANNUAL STATEMENT OF STREET CLEANING DEPARTMENT FROM SEPTEMBER 1, 1885, TO SEPTEMBER 1, 1886.

The following tables show the amount of street scrapings and ashes removed from the streets of the respective districts each month, with cost of same:

EASTERN DISTRICT.

MONTHS.	Street Dirt.	Ashes.	Total.	Cost.
September	2,081	860	2,941	$2,290 40
October	2,096	1,028	3,124	2,051 45
November	582	1,060	1,642	1,202 29
December	388	1,252	1,640	1,597 39
January	66	1,291	1,357	824 35
February		1,187	1,187	768 15
March	1,594	1,254	2,848	1,826 01
April	3,539	1,053	4,592	2,664 45
May	3,348	1,011	4,359	2,993 13
June	2,550	780	3,330	2,506 58
July	2,674	771	3,445	1,768 66
August	305	814	1,119	1,076 75
Totals	19,223	12,361	31,584	$22,569 61

Total amount in pay-rolls	$22,569 61
Deduct cash paid Treasurer for scrapings and ashes sold	410 00
Which leaves the actual cost of scrapings, carting, and salaries	$22,159 61

Or 71 cents per load.

WESTERN DISTRICT.

MONTHS.	Street Dirt.	Ashes.	Total.	Cost.
September	1,514	1,130	2,644	$2,350 75
October	2,430	1,263	3,693	2,852 96
November	1,363	1,415	2,778	1,971 54
December	1,847	1,739	3,586	2,586 35
January	273	1,791	2,064	1,483 72
February		1,667	1,667	1,252 51
March	1,910	1,783	3,693	2,561 58
April	2,999	1,540	4,539	3,231 48
May	3,883	1,194	4,277	3,328 30
June	3,494	1,136	4,630	3,472 11
July	3,563	1,137	4,700	3,987 82
August	640	1,127	1,767	1,744 25
Totals	23,116	16,922	40,038	$30,822 77

Total amount in pay-rolls	$30,822 77
Deduct cash paid Treasurer for scrapings and ashes sold	111 73
Which leaves the actual cost of scrapings, carting, and salaries	$30,711 04

Or 76 cents per load.

APPROPRIATION AND EXPENDITURE.

DISTRICTS.	Appropriation.	Expenditure.	Balance.
Eastern and Western Districts . . .	$53,886 48	$53,392 38	$494 10

Sale of scrapings, Eastern District	$410 00
Sale of scrapings, Western District	111 73
Actual balance	$1,015 83

WM. EGELHOFF,
Supervisor.

APPENDIX

TO THE

CITY ENGINEER'S REPORT.

R. T. SCOWDEN, CITY ENGINEER.

APPENDIX

TO THE

CITY ENGINEER'S REPORT.

Observations on Atmospheric Purity for Homes, Neighborhoods, and Towns—Something About the Sewer System and its Improvement—A Health Board Without Power—A Plea for Authority.

HOME AND TOWN HYGIENE.

The science of sanitation is gray with antiquity. Exhumations among the ruins of temples and public buildings of prehistoric cities, made by antiquarian societies, have discovered immense reservoirs, well-preserved drain pipes, and vitrified brick waterways laid in bituminous cement. The writings of Herodotus also prove that sanitation is as old as architecture and art, and had been the subject of much exhaustive and intelligent study and writing previous to his time. And all that ever has been written and known proves it a simple science, defined by cleanliness, pure air, water, and food, moderate habits, invigorating exercise, cheerfulness, and recreation. There is nothing perplexing or intricate about it, and healthful homes and communities exist in all climates and seasons. The study of sanitation has gone hand in hand with medicine. Hypocrates fully realized the value, and urged the adoption and enforcement of wholesome sanitary laws.

The ruins of the temples, aqueducts, and baths of Thebes, Athens, Rome, Carthage, and Pompeii, bear testimony to the knowledge the ancients had as to the necessity for bountiful supplies of pure air, pure water, sunlight, and ventilation. Nothing in modern sanitary works approaches the cost and magnitude of similar works of antiquity. The amphitheaters and Olympian games of the ancients likewise amplify their estimate of stimulating pastimes and physical ex-

cellence. Money bore no consideration to the acquisition of mental and bodily vigor and a cheery, hale old age. The Coliseum aqueducts and sewers of the Romans are among the greater and more useful curiosities of ancient science and skill. As before stated, treatise on hygiene far antedate the Christian era, and those written in the acme of Oriental, Grecian, and Latin civilization compare well with their contemporary works upon art, architecture, astronomy, and other sciences. But with the decline of that marvelous civilization, which conceived and built Nineveh, Babylon, Thebes, and the Pyramids, and constructed lakes along the banks of the Euphrates and the Nile, to collect and store their floods for supplying populous cities and for irrigating boundless but rainless plains; and, with the undoing of that later civilization, which is marked by the wondrous deeds, writings, architecture, and art of Athens and Rome, began a sanitary descent, which fell lower and lower, until the beginning of the present century, when the greater cities of the world had become the seats of corroding defilement, misery, depravity, and periodical epidemics. No plague-ridden and overcrowded community in the Orient suffers more to-day from sanitary evils than did London in 1800. Its endemics and plagues were as recurrent and as fatal as those which now devastate and paralyze modern Asia.

In the earlier part of this century, engineers began the study and practice of sanitary improvements, the result of which has been, that London and other large and progressive cities, have been so completely cleansed and purified by comprehensive systems of water, sewer, and other sanitary works, that they have now become the most healthful and vigorous communities of the world.

Louisville has not the means to provide for its wants like London, but, so far as its system of water-works, streets, and sewers goes, they strictly follow the rules and plans which have given London precedence as to metropolitan healthfulness. This explains why Louisville's death rate is low, and why its malarial and pulmonary diseases are decreasing from year to year. Ten years ago, the town was encircled with ponds and ditches, laden with miasmatic poisons, but now there remains but the Point, Germantown, and the extreme westerly parts of town to provide with main sewers. These should be constructed, however, as soon as practicable, in order to procure and establish fixed sanitary protection throughout the whole city, and to expand our valuable unimproved building and manufacturing districts. In densely-populated communities, pure air is difficult to obtain, but in a city like Louisville, with broad streets and commodious yards, through which circulate constantly-changing currents of fresh air, it

is the fault of the citizens if their premises and neighborhoods become infected with atmospheric poisons.

Unfortunately, one very marked and pernicious custom prevails here, and in other cities, as to wet soils which should be promptly abated. It is an established fact, that there is no more prolific source of malarial and pulmonary diseases than wet soils.

European health-boards attribute paroxysmal fevers, enteric fever, yellow fever, bilious remittent fever, cholera, and dysentery to exhalations from damp soils, all of which are classed among preventible maladies, and are largely diminished with ordinary sanitary precautions. In warm and dusty periods, every householder who has a hydrant and a piece of hose, keeps his premises and the street in front, saturated with water. While this custom lowers the temperature to some degree, and abates the dust nuisance, it also creates mud, destroys the streets, and wastes millions of gallons of water, at a heavy expense to the Water Company and the ultimate cost of the consumer.

The injury to the atmosphere from drenching yards and streets with water from hose and sprinkling carts is immeasurable, because the same miasmatic gases which are evolved from marshes and pondy soils are continuously exhaling from the water-soaked yards and streets, surrounding otherwise healthful homes. And when windows are left open at night, in the warm weather, for inviting infusions of fresh, dry, and healthful air, insidious ground vapors find ready access to and rapid diffusion throughout living and bedrooms. The farmer does not saturate garden, fields, and pastures with water to make plants, grain, and grass grow, but plows, hoes, and turns over the soil, to renovate and invigorate it by atmospheric infusions. In the city, the only fertilizer that is used is water, wherever it can be poured and absorbed.

Fortunately our soil and sub-soil are porous and sandy, and rapidly carry away surface drainage; otherwise, consumption and malarial diseases would be much worse than they are. To have healthful homes, the atmosphere surrounding them must be dry and pure. Dust and mud emanate principally from our limestone streets, which have long been mere makeshifts, and should be numbered among the "bygones" as soon as the city can afford to replace them with more durable pavements. The dust nuisance can never be abated while McAdam streets exist, because our excessive hauling pulverizes our inferior limestone as fast as it can be laid down. There can be no question that dust is a serious enemy to heathful respiration. Streets necessarily receive large quantities of organic filth and horse droppings, all

of which are ground up and intermixed with powdered limestone, and in dry, warm weather the air is impregnated with irritating and putrescible particles, which fill the eyes, nostrils, and lungs at every puff of wind, and ruin housepaint, furniture, etc., wherever windows are left open to receive air. That dust, uncleanliness, and discomfort are sanitary evils that can only be diminished by sprinkling, is unquestionable; but that drenching soils and streets until every pore is inundated, is an offense against nature that provokes swift malarial retaliation, is likewise incontestable.

Probably the most beneficent service performed by the atmosphere is the aeration of soils, because it not only purifies and invigorates the ground, but it prevents miasmatic effusions and gives vigor to vegetation, flowers, and fruits. Domestic hygiene is largely promoted by surrounding houses with trees, bushes, and plants, arranged in such a way as not to deprive habitations of plentiful supplies of light and fresh air. Vegetation feeds upon moisture, ground vapors, and gases prejudicial to health, and is an efficacious, as well as fragrant, disinfectant. By the by, it is very problematical whether any but fragrant or inodorous disinfectants do purify and restore, upon the hypothesis that our olfactory organs would not revolt against pungent and unpleasant odors if they were wholesome. Anyhow, it is evident that our trees, flowers, and vines are not only ornamental, but essential sources of home comforts and healthfulness. From flowers to winter is a long step, but in cold weather every home has a treacherous enemy to conciliate in the treatment of heating stoves and furnaces. The stoves usually have large heating surface, with numerous joints, and are ornamented with isinglass openings. Their rare heating qualities and cleanliness render them welcome household comforts, but at night, when windows and doors are closed and sealed with weather strips, stove dampers are also closed to save coal and prolong fires; the injury resulting from this mismanagement is that the oxygen or vital element of the atmosphere, both for the support of life and combustion, is imperceptibly consumed and the house air is correspondingly vitiated. Therefore, if outdoor air is not induced by some method of ventilation to freely enter the rooms and halls, the vitality of the house-air becomes more and more depleted and insufficient for healthful respiration. The dampers should be left open and the draft encouraged to carry off the mephitic gases evolved by combustion through the flues, instead of barring their expulsion by dampers through the chimney into the outer air.

Another difficulty house hygiene has to encounter arises from inferior plumbing and sewer connections. House-drains, connecting

kitchen-sinks, laundries, bath-rooms, and water-closets with street sewers have become primary considerations in construction of modern buildings.

Before planning permanent structures, the architect ascertains the location of the nearest sewer, and designs his drainage system accordingly. But the immediate comforts and conveniences obtained therefrom are frequently made at the sacrifice of sanitary efficiency. Architects, builders, and plumbers know the importance of atmospheric purity, and endeavor to prevent its pollution from making imperfect sewer attachments, and mislocating bath-rooms and water-closets. But, unfortunately, owners seldom act as advised by them, on account of expense; the consequence of which is, that cheap plumbing is made, and plans are modified to lessen cost. Doubtless, this kind of mistaken economy has caused many cases of fever, diphtheria, and unmeasured suffering and distress. Homes can never have health where dark, unventilated water-closets and bath-rooms are contiguous to living and sleeping rooms. Bath-rooms, wash-stands, water-closets, and laundries should be located in out-buildings or annexes, separated from the main building by latticed galleries. Then the intervening air space would form a barrier of fresh atmosphere circulating between the annex and habitation. Communication could be had to the annex from any story by carrying it up and joining it with the corresponding floor of the main building. Where water-closets are permitted in houses, they should be located as remotely as possible from living and bed-rooms, and have extra large air-space, light, and ventilation. The best of plumbing should be procured, provided with secure traps, soil-pipes, and every known appliance to repel and expel foul gases and polluted air from the house, and have the drain-pipes leading to the sewer effectually ventilated.

Fresh air is as essential to the preservation of health as blood is necessary to life. The blood, after having performed its circulating functions, returns to the lungs to throw off the inpurities which it has taken up. Then pure, vigorous, and copious draughts of stimulating air should be refurnished to the lungs, to scour, renew, and strengthen the blood again before it resumes its circulating and life-supporting journey.

Home atmosphere is further impaired by unwholesome emanations from dark, damp, and unventilated cellars, store-rooms, pantries, out-houses, and stables, all of which are subjected to the same sanitary evils; but cellars demand especial notice. Fruits, vegetables, meats, butter, milk, pickles, preserves, and every other sort of perishable house-

hold commodity is stored in the cellar and store-room for preservation and further use. To keep any of these articles from taint and injury, the cellar should be refreshed with frequent streams of revivifying sunlight and fresh air. A double sanitary service would thus be accomplished: the air in the cellar would be kept dry, healthful, and vigorous, and the food stored in it would not be impaired by a vitiated atmosphere. A dark, pent-up cellar is laden with noisome, pernicious gases, which steal their way through every crack and crevice in the floors, doors, and openings to the rooms and halls above. Householders should see to it that floods of light and air are poured into and circulated through and about every nook and cranny of their homes, from the cellar to the roof, as frequently and as thoroughly as possible.

Probably the most malignant foe to home atmosphere, is the wrongfully-named "dry well," located in the dark unventilated corner of a cellar, and constructed with open joints sunk into our underlying gravelly water-bearing strata, and at the same depth as our shallow public wells. All of the excrementitious ejections and house refuse which is drained into them, is soaked up by the surrounding soil until every pore is gorged with fetid contaminations, that are disgusting to contemplate, let alone to live over. The most ignorant and reckless outcast in our work-house would not be so insane as to build over such loathsome pools of ordure and laboratories of pestilent gases. Think of it! the mephitic exhalations from the polluted and reeking soil together with the noxious vapors which are continuously rising from the putrifying contents of the well itself, permeate the cellar, fill the pores of the wooden joists, and floors, and the walls of the cellar, and are carried up and absorbed by the carpets, curtains, and fixtures of the rooms above. Barbarism never conceived a convenience more dangerous, and ignorance never dwelt over filth more abominable. If sewer gases are dangerous that emanate from subterranean channels that are effectively aerated and constantly scoured and washed by diluted house drainage and rain falls, how incomparably more pernicious must the noxious effusions from cellar "dry wells," or more properly named, excrementitious cess pools, be.

Dry wells should be dry wells absolutely, that is, they should be constructed water-tight in the farthest corner of the yard from the house; they should be cut off from direct connection with it by double trapped catch basins, and the pipes leading to the house should be provided with effective traps and ventilating pipes. The well should have a high soil pipe and perforated man-hole cap to invite atmospheric infusions and circulation, and be cleaned out, disinfected, and deodorized as often as it becomes offensive. As soon

as sewers can be substituted for them, they should be promptly filled up and abandoned. Many an emaciated child, woman, and man can trace their suffering to cellar vaults and dry wells. Boys and men shake off the poisons by out-door exercise and fresh air, but females and children live in and become saturated with their debilitating effusions. Head-aches, chronic fevers, sore throats, and diphtheria are the penalties suffered from the so-called *modern improvements*, misnamed, *dry wells*.

From infancy to old age, when all other remedies fail, physicians prescribe change of air or scene, because science has been exhausted. Unpolluted and health-inspiring air is a last and only resort. Every one will remember instances of its beneficent and restorative effects. Health demands pure air, light, and ventilation; therefore, every habitation should have bountiful supplies of each and make dry, clean premises and surroundings imperative.

Epidemics, disastrous fires, falling buildings, and sanitary investigations have led to the enactment of many salutary laws in the older cities of the civilized world in the last ten or twenty years. Streets have been cut through districts teeming with dark, dingy, and disease-breeding houses, crowded with a miserable, ignorant, idle, vicious, and communistic populace. Whole rows and blocks of buildings have been torn down, and safe, healthful, and convenient modern houses have superseded them, for the benefit and comfort of the poor. Thin nine-inch brick walls, with floors over a damp, polluted soil, for a workingman's home, have been declared both unsafe and unhealthful. In wet seasons, the row of headers which are run through a nine-inch wall, to keep it from twisting, warping, and tumbling down, is marked with a damp, mouldy streak around the inside of the building. Paper will not stay on the walls, but mildews, rots, and falls off. It requires no scientific learning to understand how such habitations are dangerous to tenants and a community. Infection and contagion know no favorites, they spread over continents and cross oceans. Epidemics and plagues may germinate and hide for a time in neglected homes and districts, but yellow fever, cholera, small-pox, and typhus have warned the world, time and again, that pestilential seeds which germinate in squalor and filth, scatter over and devastate neighborhoods, towns, cities, and even continents provided with every natural and known sanitary protection. Capital begins to acknowledge, by its works, that national prosperity, wealth, and contentment depend upon the people's health. And municipalities, States, and governments are exerting themselves to improve the conditions and comforts of the masses.

In this connection, it may not be amiss to speak of house, school, and workshop construction. First of all, every habitation must have a dry, unpolluted site to be healthful; next, the rooms for each must be designed to furnish bountiful air space for each intended occupant; next, light and ventilation, and absolute freedom from such atmospheric poisons as have been herein named. In warm and cold weather, the temperature of rooms should be kept as uniform as possible. Living-rooms—which include rooms occupied by home circles, as well as workrooms, schools, and stores—should be carefully constructed, to preserve health and prevent disease. Bedrooms and living-rooms would be freer from impurities if the floors were constructed of hard wood or tiles, and covered with mats or rugs, that could be readily taken up, shaken, aired, and purified once or twice weekly. Bedrooms should be furnished with as little material as possible that absorbs exhalations from the lungs, body, combustion, or excretions of any nature. Bedding should be thoroughly aerated and clean and sweet, and whenever affected by odors exhaling from the body or from perspiration it should be thoroughly disinfected and aired, or periodically changed. Mouldy feathers or mattresses are frequent sources of sick headaches and debility. I am of the mind that not enough study has been given to atmospheric drainage for human habitations. The aerial poisons which are evolved in all houses, stores, factories, etc., from respiration, combustion, or from manufacturing, contaminate the atmosphere very rapidly, and increase in a compound ratio, if it has no means of egress, and is not replaced with copious supplies of fresh air. Pipes can be as readily laid and carried into houses, shops, and stores for conducting fresh air into them and carrying off deteriorated atmosphere as gas and water pipes can be laid.

The fresh air must be taken in at the floor line and the foul air must be expelled at the ceiling. Such pipes may be furnished with registers or valves that can be easily manipulated and regulated. Fresh air for bedrooms should be conducted by a pipe under a smooth, hard, uncarpeted floor, and discharged under the center of the bed, the air would then rise and envelope it without creating a draft, and after performing its invigorating office it would be drained off through an effluent pipe near the ceiling.

These reforms may appear superfluous, but the very basis of healthful living is invigorating respiration and pure revivified blood. Provide the first and the second is a sequence. Without the first, the second can not be, and without both, men can not live in comfort and enjoy life.

The workman can perform more labor, do more skillful work, and

will be of immensely more service to his employer, his family, and the community, if the factory or shop is kept well ventilated and lighted, and supplied with fresh air and an even and comfortable temperature summer and winter.

There is yet another source of atmospheric defilement inflicted upon outlying town and city districts which commits untold injury. In populous communities it becomes necessary to remove decomposing house refuse or garbage every day to prevent atmospheric pollution, but, strange to say, nearly all cities collect garbage in small quantities and haul it to the nearest pit, ravine, pond, or low ground, and pile it up and store it into heaps of concentrated filth and offal. The pestiferous stenches which exude from these putrifying heaps convey nausea, infection, and disease in every household which they invade. Near large rivers garbage should be hauled promptly to them, by the shortest route, and be dumped in and permanently disposed of. Many salubrious neighborhoods have been made almost uninhabitable by city and town garbage dumps in order to save a small cartage expense, instead of hauling a few more blocks to get to the river.

Since 1882 the atmospheric purity of the city has been very much promoted by the construction of several miles of granite and asphalt streets. These improvements have been made at some cost, but are quick-paying investments in the advancement of our general sanitary condition and in the reduction of heavy street-repair taxes. The best paved streets in the world require systematic scraping and sweeping, and any city that can afford to construct granite and asphalt streets, can also afford to take care of them, and keep them clean and healthful. No reasonable excuse can obtain for neglecting them.

Among other expensive sanitary improvements made in Louisville in the last decade, has been the construction of some fifty miles of new gutters in the defectively drained districts. The majority of these new gutters are made of flag-stone for the purpose of procuring ready drainage over a comparatively smooth surface, and to avoid the numerous joints in the old gutters which absorb offensive liquid refuse and putrid organic matter and exhale obnoxious and infectious gases that are redoubled in the heated terms. A further step in the advancement of street and gutter sanitation has been obtained by constructing fire hydrants on each square of the lately reconstructed streets. By opening the plugs in the evening the gutters may be scoured and the catch-basins and sewers washed out and cleaned. Therefore, with little labor and cost, the atmosphere may be cooled and purified and the general sanitary condition and comfort of the neighborhood be permanently and surely improved.

One of the main difficulties which Louisville has to surmount in the construction of streets and alleys is to acquire surface drainage; except upon the highlands in the extreme south-easterly parts of the city the town is located on nearly a level plain. To procure necessary drainage, therefore, many more miles of branch sewers will have to be built along the lines of public ways.

While the sewer system of Louisville compares well with most cities of its means, yet it is not at all complete, nor will it be until an eastern out-fall sewer is finished, which will carry off all of the sewage which is now and may hereafter be conveyed into Beargrass creek and its forks, and until an intercepting sewer is built through the lowlands bordering on the Louisville and Portland canal, and empties into the river below Portland, into which may be carried all the sewerage which is needed to drain the pondy district west of Nineteenth street, and north of Chestnut street. Moreover, it will not be long before another western out-fall sewer will be needed, heading at Third street, in the southerly part of the city, and running thence through the basin which is drained by Lower Paddy's Run into the river. The present western out-fall sewer is already over-taxed, and can not safely receive any more drainage.

The sewers mentioned above are main sewers, with which branch-sewers will be connected as the necessities for them may arise.

Modern engineering has proved that nearly all diseases caused by exhalations from damp or polluted soils can be prevented.

The English Sanitary Commission reports that the construction of sewers and drains in a number of their cities has accomplished a life-saving of from seven to thirty-two per cent., a reduction of typhoid fevers of from ten to sixty-three per cent., and a decrease in phthisis of from eleven to forty nine per cent.

In young and rapidly-growing cities like our own, whose territory is so extended, and whose expenses and needs are increased so much faster than its revenues, the sewer system must necessarily develop slowly. Yet, since the construction of the first sewer in Louisville, in 1850, there have been fifty miles of sewers and drains constructed, costing nearly two millions of dollars. The sewers are self-cleaning, thoroughly aerated, and effectively trapped, and are built after the same manner and according to the same formula as those of London, which is acknowledged to be the first city in the world in its sanitary improvements.

Considerable misunderstanding exists as to the flushing of our public sewers; fully three and a half million gallons of water, from the water works, are daily traversing and scouring out our public sewers.

Add to this the frequent flooding all sewers get from excessive rainfalls, and it may be comprehended why our sewers are self-cleansing and as free as possible from unhealthful exhalations.

The sewers are so constructed as to have rapid currents and to run full in rain storms; therefore, they are thoroughly scoured, and one may stand over perforated sewer caps in the middle of our streets and detect no noxious odors.

The fact is, our sewer and catch-basin cleaning forces, which are busy day in and day out cleaning sewers and catch-basins, are among the more healthful employes of the city, and are as free from miasmatic diseases as any other classes of our people.

This is conclusive evidence that our sewers are effectively flushed, self-cleansing, and thoroughly aerated.

Since 1876 the pondy districts in the southerly part of Louisville have been furnished with main sewers, which only require necessary branch drains to render the soil and air in those localities dry and healthful, and valuable for manufacturing and building sites.

As to our water supply, that which is taken from the river by the water-works and is allowed to subside in our unexcelled and commodious new reservoir, and that which is taken from the never-failing and ever-moving subterranean lake which is percolating and filtering through the gravel formation under our city, and one hundred feet below the surface, it is as good as that furnished to any other city. If our food and atmosphere are as pure, unadulterated, and nutritious as either of the above classes of water, we are, doubtless, as well favored as any other people in the world.

The attempt to attribute typhoid fever to our water will never be convincing, while it is known that typhus is just as frequent and fatal in the Scottish Highlands, the Alps, the Pyrenees, the White Mountains, the Blue Ridges, the Alleghanys, the Rocky Mountains, and the Apennines, as it is in their adjacent valleys.

The causation of the disease must be the same everywhere, as a matter of course.

If physicians will ascertain its causation in the mountains first, where fresh air and pure water abound, their theories will not be received so skeptically. Sanitary engineering has largely abated all kinds of malarial and pulmonary diseases, as the following statistics and tables will verify; and, as engineers freely communicate discoveries, plans, and formulæ with each other, and as all sanitary work throughout the world is mathematically alike, engineers only have to keep abreast of the times to furnish every class of tried sanitary improvement to the communities they serve.

"The great aim of all sewerage work is to secure to every member of the community his full supply of uncontaminated air, and, where wells are used, of pure drinking water.

"We roll up our eyes and stand aghast when contemplating the horrors of war; yet the mortality of war is trifling as compared with the mortality by preventible disease. England, in twenty-two years of continuous war, lost 79,700 lives; in one year of cholera she lost 144,860 lives.

"Disease is not a consequence of life; it is due to an unnatural condition of living—to neglect, abuse, or want."

By another statement: "Looking at England, as a whole, we see that of each one hundred persons who die, not quite ten have reached the standard old age of seventy-five years; and that of each one hundred children born, hardly seventy-four complete five years of life."

"When the improvement of sewerage was actively undertaken in London, some twenty-five years ago, it was found that the death-rate was so much reduced, in some of the worst quarters of the town, that if the same reduction could be made universal, the annual deaths would be twenty-five thousand less in London, and one hundred and seventy-seven thousand less in England and Wales; or, by another view, that the average age at death would be forty-eight instead of twenty-nine, as it then was."

Mr. Baldwin Latham, in his very excellent work on "Sanitary Engineering," gives the following table, showing the effect on health of sanitary works in different towns in England:

NAME OF PLACE.	Population in 1861. . .	Average mortality per 1,000 before construction of works	Average mortality per 1,000 since completion of works	Saving of life per cent.	Reduction of typhoid fever rate, per cent.	Reduction in rate of phthisis, per cent. .
Banbury	10.238	23.4	20.5	12½	48	41
Cardiff	32.954	33.2	22.6	32	40	17
Corydon	30.229	23.7	18.6	22	63	17
Dover	23.108	22.6	20.9	7	36	20
Ely	7.847	23.9	20.5	14	56	47
Leicester	68.056	26.4	25.2	4½	48	32
Macclesfield	27.475	29.8	23.7	20	48	31
Merthyr	52.778	33.2	26.2	18	60	11
Newport	24.756	31.8	21.6	32	36	32
Rugby	7.818	19.1	18.6	2½	10	43
Salisbury	9.030	27.5	21.9	20	75	49
Warwick	10.570	22.7	21.0	7½	52	19

Louisville has been very backward in organizing a health board provided with means and power to enforce proper sanitary regulations. The Legislature should remedy this defect in our laws, and enact practical plumbing and building laws which would enable the authorities to prevent accidents from the construction of unsafe, unsanitary, and inflammable buildings. Our present Health Board has no power whatever; it has no means to abate or remove any nuisance; it can not employ a man or a cart; it can not order a gutter, or alley, or neighborhood cleaned or disinfected; it can not have public well water inspected, analyzed, or condemned; it can not inspect or condemn foul meats, decayed vegetables, or fruits found in our public markets; it can not inspect and condemn adulterated food of any kind, because it has no money and no sanitary force, or any kind of equipments. It has not wanted, nor does it now want, earnest, efficient, and public-spirited members to guard and direct it. Among the ablest and more useful of Louisville's physicians are now, and have been, members of it, but after discussing, counseling, and working together for months, and finding their advice disregarded, and that as a board they are only a name, and that they are ridiculed, misrepresented, and misunderstood, they cease to meet. As a matter of fact, unless the Health Board is clothed with some authority and has means and material to work with, it may as well not meet, for as it now stands it merely misleads and deludes the people into a false security by relying upon a body that has no power to perform, notwithstanding its ability and earnest interest in the public health and prosperity. The Health Officer is fully up to the times, and thoroughly comprehends the sanitary needs of the city. With a small appropriation, a couple of sanitary police, and charge over the sewer cleaning and pump repair force, his usefulness would be greatly increased and his efficiency better understood and felt. As it is, he works hard and earnestly and almost alone, with small pay and no money and no power beyond his own industry and skill. In the furtherance of the sanitary enlightenment of the people and the promotion of State health, prompt action should be begun and continued until the metropolis of the State can have an effective and instructive Health Board.

PUBLIC IMPROVEMENTS.

For the purpose of answering questions asked every day at my office as to what the city is doing, and has been doing, with the money which has been raised from the sale of bonds and from general taxation, and what has the city to show for her bonded debt and expenditures, I have been at some pains to gather the following information, which is respectfully submitted in order to give both yourselves (the Mayor and Council) and inquiring citizens a concise and correct account of the city's expenditures and condition, which I trust will be as plain as it should be satisfactory.

Very few cities as young as Louisville and of no greater wealth can compare with her in the extent and character of her public works, and in the number and cost of her churches and public and private educational and charitable institutions. All of them are fully up to the standard of similar modern structures in any part of the civilized world, and all of the city's property and enterprises are paid for.

In this connection I would suggest that the city follow the example of other cities to advantage in levying taxes for the construction of new sewers and the reconstruction of old street pavements.

In Cincinnati and a large number of other cities where sewers are built, the general fund bears only one-half of the expense, and the property on each side bears its proportion of one-quarter of the cost.

The same law applies to the reconstruction of old streets, where repaved of granite and other durable material.

The property on each side is mortgaged for one-quarter of the cost, and ten-year improvement bonds, bearing six per cent. interest, are issued and negotiated, before the work is begun.

By this plan cash is paid for the work as it progresses; therefore, it costs less, and twice the extent of work is obtained as under our street system, and since property-holders have to bear one-fourth of the expense of making new sewers and streets, only those portions of the city which really need improvement and can bear the tax ask for it, and less danger is encountered in spending public money until it is absolutely necessary.

Statement Showing Amount Expended by the City of Louisville on Public Improvements and the Value of Property Owned by the City.

Cut-off embankment	$75,000 00
Fulton street fill	150,000 00
Roadbed through old Beargrass creek	288,000 00
Western outfall sewer	550,000 00
Value of Baxter Park	50,000 00
Total	$1,113,000 00

Value of Property Owned by the City.

City Hall building	$500,000 00
City Hospital	175,000 00
Alms-house	170,000 00
Lying-in Hospital	60,000 00
Pest-house "proper"	28,000 00
Work-house	120,000 00
House of Refuge for white and colored children, church, and other improvements	250,000 00
Railroad subscriptions	3,500,000 00
Water-works	4,000,000 00
Gas-works	1,000,000 00
Court-house	700,000 00
Jail	250,000 00
Wharf property	506,500 00
Market-houses	21,420 00
26 school-houses and furniture	362,050 00
13 engine-houses, and two hook-and-ladder houses	162,484 00
13 steam fire engines	65,000 00
14 reels	7,000 00
2 hook-and-ladder wagons	4,500 00
1 Hay's ariel hook and ladder	3,500 00
Horses, hose, furniture, etc	44,940 00
Fire-alarm telegraph system	20,750 00
Police station-houses, horses, wagons, furniture, and equipments,	18,330 00
Total	$11,969,474 00

Estimated Value of Streets, Alleys, Sewers, Fire-Cisterns, Public Pumps, etc.

144 miles of streets and 31 miles of alleys	$3,996,867 00
50 miles of sewers and drains, not including the Western Outfall sewer	1,450,000 00
12 bridges	150,000 00
434 fire-cisterns	217,000 00
1,118 public pumps	195,650 00
Footway crossings and covered water-ways	75,000 00
Fire-plugs, 26	2,080 00
Total	$6,086,597 00

Recapitulation.

Amount expended on improvements		$1,113,000 00
Value of city property and railroad subscriptions		11,969,474 00
Estimated value of streets, alleys, sewers, and fire-cisterns		6,086,597 00
Total		$19,186,071 00
Deduct railroad subscription	$3,500,000 00	
Deduct police telephone service	300 00	3,500,300 00
Actual value of property belonging to the city		$15,685,771 00

Value of Denominational Property.

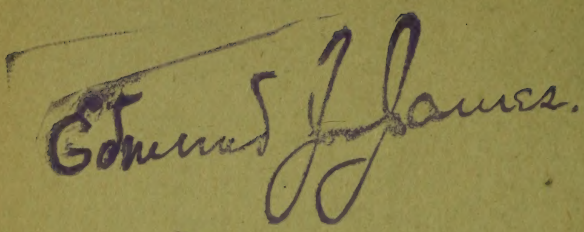
135 churches	$2,750,000 00
12 orphan asylums	700,000 00
8 hospitals and infirmaries	600,000 00
50 schools, including private pay schools, and all sectarian schools, academies, seminaries, and colleges	1,000,000 00
Kentucky Institute for the Blind	150,000 00
Kentucky American Printing House for the Blind	40,000 00
Total	$5,240,000 00

Showing Value of Assessable Property in 1887.

Total value of land	$31,000,000 00
Total value of implements	27,950,000 00
Estimated value of railroad property	1,100,000 00
Value of acre property	500,000 00
Personalty and investments	6,340,000 00
Grand total	$66,890,000 00
Value of property exempt from taxation	5,250,000 00
Total	$72,140,000 00
There have been put in the city since 1870 buildings valued at	$30,000,000 00
There have been put down in the city since 1870 miles of new sewers	37
Miles of new streets and alleys	63
The debt of the city of Louisville, January 1, 1887, is	$9,356,453 98
The amount of Sinking Fund which can be applied to payment of same, is	$4,373,830 97

Very respectfully,

R. T. SCOWDEN,
City Engineer.



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